

# Fascinating CACTI! <sup>AND</sup> SUCCULENTS



## STARS AND STRIPES 1/4 Natural Size

Our finest Paramount Hybrid to date. This delightful, delectable, ravishing beauty is all anyone could wish for in a flowering cactus. The color is reproduced accurately, but to see it is unforgettable. Many-petalled flowers of warm rose-pink with a darker rose stripe down the center of each petal. Imagine a dozen or more such flowers on one plant! We have grown it under all possible conditions for the past several years, and find that we can recommend it without reservations. Rich loam, full sun, generous watering during summer will bring this easily grown charmer to perfection. Each.....

**\$3.85**

LIBRARY  
RECEIVED

★ MAR 27 1961 ★

U.S. Department of Agriculture

*The Most Interesting and Beautiful Plants Under the Sun*



### ROSE PLAID

This tiny sprite belies its size with an endless succession of pink flowers all summer—each often larger than itself. Easily grown, *Gymnocylcium friederickei* seldom reaches more than 2" in diameter. Flowering size 1"-1 1/2" plants.....

**60c**

PRICE 25 cents

1961 — Our 85th Year

# JOHNSON

## CACTUS GARDENS

PARAMOUNT, CALIFORNIA

Mailing address: Box 458 Paramount, Calif. Nursery address: 16613 S. Garfield Ave. Paramount, Calif.  
Nursery Open: Monday-Saturday 8-5; Sunday 10-5. Closed all legal holidays. Phone: METcalf 3-7315,  
NEvada 6-1555. See page 2 for further directions.



# SUCCULENTS -- Galore!

## FROM ALL OVER THE WORLD

**ESTABLISHED 1876 OUR 85th YEAR**

**GREETINGS TO OUR FRIENDS:** It is our pleasure to present a host of new succulents to our customers this year along with the first printing of many new color plates. We are excited and proud of our first introduction of Stars and Stripes and believe it will firmly establish itself as one of the most popular cacti. You will also find several old succulent friends reintroduced to our pages for the first time in many years. We are continually adding to our collection, and will offer them to you as rapidly as possible. Many hours of research and fact-finding went into our new Air Cargo Service. Be sure to give it your fullest consideration. You will find it the greatest advance in shipping in years.

Growing and handling plants is one of the most rewarding, and certainly one of the most pleasurable hobbies. Cacti and succulents now join the ranks of the most popular. The small space a large collection occupies, their brilliant flowers, bizarre shapes and beautiful textures makes them so.

There will be a convention of the Cactus and Succulent Society of America this year, July 1961, in Mexico City. There will be wonderful opportunities to see rare cacti growing wild. Imagine seeing the Old Man Cactus at home! Costs for 6 days, **not** including transportation to Mexico City, will be approximately \$150 for one, \$225 for two. Drop us a card if interested.

All of us at Johnson Cactus Gardens join in inviting all of you to visit us in Paramount this year!

**SUCCULENT CULTURE:** Succulents in general require a little more water than true cacti. Most need an open porous soil rather than a sticky loam. Soil through which water drains without standing. One part crumbly loam, 2 parts clean moderately coarse sand (chicken grit or building sand) and 1/2 to 1 part of leafmold or peatmoss is suitable. Some very successfully use just sand and leafmold.

**WATERING:** Water in the morning so plants will dry off. Water when soil is dry down 1/2". Never water while still moist unless directions are specifically given under plant description.



**EUPHORBIA GRISEOLA**

A slender-stemmed succulent from the Transvaal. Stem green with lighter markings. Small yellow flowers. Branching freely, making an exceptionally fine pot subject. Easily grown in a rich loam, full sun. Nice plants 5" - 8" ..... **95c**

### MISCELLANEOUS NEW AND RARE SUCCULENTS

Manfreda brachystachys, undulata, variegata, potted 80c. Puya chilensis, potted 80c. Peperomia dolabriforme \$1. Sinocrassula yunnanensis, potted 90c. Gasteria sulcata, nitida \$1. Bowiea volubilis \$1. Adromischus antidoricatum, alveolatus, poellnitzianus \$1, cristatus 75c. Beschornia yuccoides \$1. Acanthostachys strobilacea (yellow and red cones) \$1. Monadenium guentheri, guentheri mamillata \$1.50. Pedilanthus tithymaloides 75. Dracaena draco \$1.50. Agave bracteosum, parviflora, potatorum huachuensis 75c. Cissus quadrangularis, rotundifolia 75c.

### KEYED CULTURAL DIRECTIONS

**P.** Means partial shade or filtered light. Not dense shade or away from window.

**S.** Full sunlight in winter. In summer if indoors behind a **closed window** protect from noon sun.

**M.** Moist without keeping wet.

**SR.** Summer rest period. Some South African succulents as Lithops and Split Rock normally rest during our summer. These should be kept on the dry side from June to early September. Water lightly occasionally to prevent shriveling. If over-watered when dormant they may turn soft.

### ECHEVERIA FLAMMEA

Smooth, violet tinged leaves; brightest in full sun, shading to pastels in more shade. Mature plants form several heads making clumps 12" across. A sandy loam, full or part sun, moderate watering. A popular form of Ech. gibbiflora. Nice.....

**\$1.65**

## Our New Air Cargo Service!

**AIR CARGO DELIVERS PLANTS WITHIN 3 DAYS AFTER PACKING  
TO ALL STATES EAST OF ROCKIES. (NOT INCLUDING  
ALASKA AND HAWAII).**

If your order amounts to \$5 or more, merely include 60c additional for Air Cargo service. (Orders of \$10 or more add the 60c after you have taken your 10% discount.)

Orders of less than \$5 include \$1.35 additional for handling and Air Cargo charges.

Customers in the following states: Washington, Oregon, California, Arizona, Nevada, Utah, Idaho, Montana, Wyoming, Colorado, New Mexico, Hawaii and Alaska, please see our terms for regular parcel post shipment below. Closeness makes it impractical to ship by Air Cargo to those states mentioned and there is no Air Cargo service to Alaska or Hawaii.

\$50 free insurance for all Air Cargo shipments. Report loss or damage to us within 10 days.

### TERMS

#### FOR PARCEL POST SHIPMENTS

\$5 or more sent postage and handling free.

Less than \$5, add \$1 extra to cover packing and postage costs.

\$10 orders sent for \$9. Over \$10 take 10% discount.

No C.O.D. orders accepted.

**OUR GUARANTEE** is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once **we will give credit** for all damaged items to be replaced with your next order.

### HOW TO REACH OUR NURSERIES 3 MILES EAST OF COMPTON

You are cordially invited to visit our nurseries every day including Sundays. **Open: Monday thru Saturday, 8 to 5, Sunday 10 to 5.** Closed Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and New Year's Day. Specimen plants and many rare or new species not included in our current catalogs are to be seen. Also there are collections of Water Lilies, pool and bog plants on display. Paramount is 20 miles from City Hall, Los Angeles. It can be reached by auto via Long Beach Freeway south to Alondra Blvd. turn-off (east, traveling east to Garfield Ave., (2nd red stop) turning right one-quarter mile to nursery. **Nursery address: 16613 S. Garfield Ave., Paramount. Phones: NEvada 6-1555, MEtcalfe 3-7315.**

Also by way of Route 14 (Manhattan Beach) to Cherry Ave., No. Long Beach, then 5 blocks north on Cherry to nursery.







#### WOOLY STARLETS

An odd prettily marked plant, *Stapelia dummeri* has odorless, pale yellow, very wooly flowers. It differs from most other *Stapelias* by bearing its blossoms at the top of the stems. The red splashed stems grow fast during the heat of summer. **79c**  
Small, potted plants.....



#### EDITHCOLEA GRANDIS

One of the rarest and prettiest of the odorless Starfish Flowers. Green prickly stems tinged purple, lovely 3 1/2" blossoms of the warm rich reds of a fine Persian rug, the petals margined by vibratile hairs. An open, rich soil, very moderate waterings. A warm, moist atmosphere during summer suits it best. **Potted..... \$2**



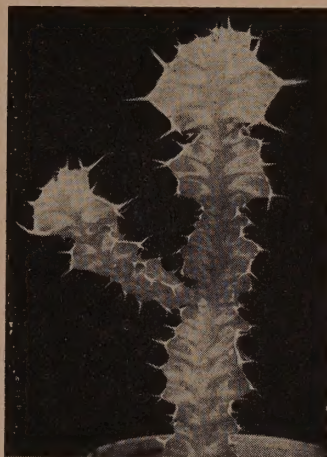
#### CALICO HEARTS

*Adromischus maculatus* will be one of the gems of your collection. Easily grown in a light sandy loam. Give moderate waterings with some shade in the hottest part of the day. The leaves are beautifully mottled with maroon-red. The more sun the brighter the colorings. **95c**  
Nice, **potted.....**



#### HAWORTHIA TRUNCATA

One of the rarest and most curious of succulents. Dark olive green leaves with the tips sharply truncate, as though cut off. Each tip is a translucent window. Slow growing. **\$2.50**  
Small plants, **potted.....**



#### ZIGZAG EUPHORBIA

A fine new hybrid introduction from Hummel's Exotic Gardens. One of the prettiest we've seen. Slow growing. Nice. **Potted \$2.25**

#### ALOE

All plants shipped potted. *Aloe aculeata* \$1.50, *krapholeana* \$1.50, *mutans* \$1, *wickensii* \$1.50, *sladeniana* \$1, *dinteri* \$1, *bakeri* \$1, *millottii* \$1,



#### MORGAN'S PINK CRASSULA

A pretty plant with bluish-white leaves, tight brush-like clusters of rose-pink blossoms. A miniature 2" - 3" diam. forming nice clusters. Prefers a light position and porous soil. Easy to grow. Culture P. Nice **flowering size..... 50c**

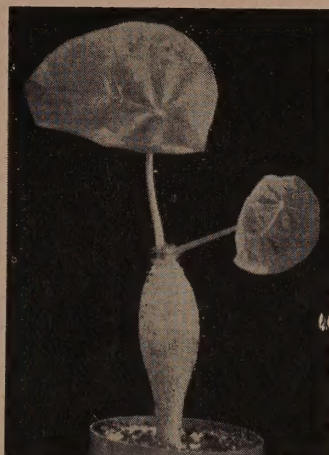


#### EUPHORBIA XYLOPHYLOIDES

A curious rare succulent from Madagascar. Leafless, branching freely. Branches olive green, very much compressed and flattened. **79c**  
Nice potted plants .....

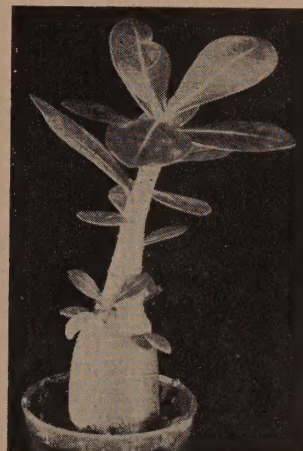
#### COTYLEDON DINTERI

Thick, heavy trunk, like a dwarfed tree. In full foliage during our winters, but leafless during our hot summer months. A rare and attractive succulent from S.W. Africa. Nice 3" - 5" plants.... **\$1**



#### JATROPHA PODAGRICA

A rare succulent shrub from Central America. Shown in juvenile form above, soon developing a bulbous base and lobed leaves. Umbels of scarlet flowers. Prefers rich porous loam, generous watering during summer. Nice plants, **\$2.50**  
potted.....



#### ADENIUM OBESUM

Probably the first offering in U.S. of this extremely rare succulent from E. Africa. Thick, short trunk, leaves at the branch tips dark green and glossy. Its local name of "Mock Azalea" aptly indicates its large pink flowers. Very slow growing. Only a few small plants **\$4.85**  
available, potted at....

#### PEPPERMINT STICK

*Senecio gregori* has bright green and white markings. Increasing by underground stems, it quickly forms a handsome pot. Give generous treatment. Culture S. Each..... **60c**







**PEANUT CACTUS**  
Red flowers. Easily  
grown clusters. Each.... **40c**

**PINCUSHION**  
Flowering when  
small, it grows  
quickly in sun or  
part shade. Each..... **40c**

**BIRD'S NEST**  
Slim nipples with  
curling yellow  
spines..... **50c**

**RED DRAGON**  
Red and black  
flowers. Cluster  
forming..... **45c**

**CHRISTMAS  
CHEER**  
Brightly colored in  
poor soil. Grows  
anywhere. Each..... **35c**

**FLOWERING PINCUSHION**  
Easily grown, flowering in  
spring with a crown of  
carmine flowers..... **45c**

### CURIOSITY COLLECTION J2

**8** nice plants including the 6 shown. A perfect selection for a Planter bowl.  
\$3.00 value for.....

**\$2.35**

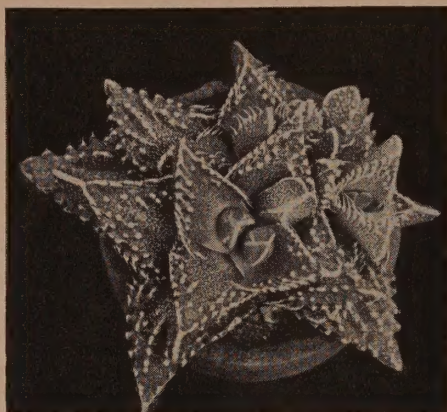


#### ECHEVERIA CRENULATA HYBRIDS

The picture above shows a plant of approximately 10" diameter photographed in November at our nurseries. Fanciers consider it among the choicest. Where hot and dry give some shade. Where hot and moist, or cool, give full sun. Best colors are achieved out of doors during summer. Give a rich humus soil, well drained, moderate watering indoors to plentiful watering outdoors. Leaf margins become more waved with size. Selected small plants 4 to 6 inches specially packed..... **\$2.75**

#### SPLIT ROCK

Leaves smooth, dark grey-green, sometimes reddish, covered with prominent dots. Pleiospilos nellii looks like nothing so much as rounded stones! Yellow to salmon-pink flowers late summer. Well drained soil, light airy position, water sparingly. Culture SR. Each.. **50c**



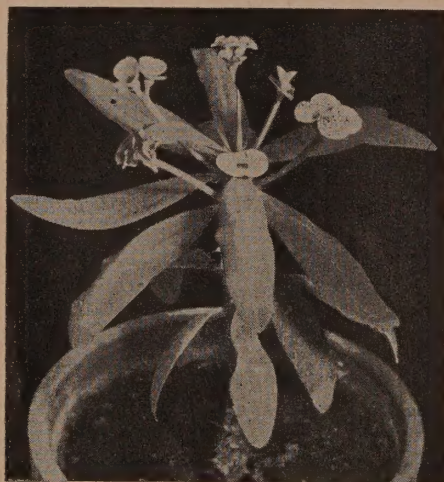
#### KNOBBY TIGER JAWS

Handsome clusters or small cushions, olive-green leaves freckled white with corrugations and "teeth" at the tips. Faucaria tuberculosa has bright yellow daisy flowers in late summer, each head bearing several flowers over a period of many weeks. Well drained loam. Culture SR. Each..... **65c**



#### INCH WORM

As though alive, Kleinia pendula humps itself along the ground sending out roots where it touches the soil, producing a new loop. Flowers like red carnations, stems patterned white. Light well drained soil. Culture S. Each..... **45c**



#### HUMMEL'S GIANT CHRIST THORN

Choice new hybrids (E. Splendens) x E. Iophogona with increased vigor and larger flower clusters. Description under Christ Thorn. Each..... **\$1.65**



#### CHRIST THORN

Also Crown of Thorns. Euphorbia splendens flowers freely from February to November. Prefers a rich soil and ample water. Cactus food keeps it blooming. Sun or part shade. Culture S. Potted 4"-6"..... **60c**

#### EVERBLOOMING CHRIST THORN

Euphorbia splendens var. bojeri. More slender stems, darker green leaves, flowers (cyathia) deeper red. Flowers the year around. Culture as for Christ Thorn. Potted 4"-6"..... **65c**

#### HUMMEL'S GIANT CHRIST THORN

Splendid plants hybridized with Euphorbia Iophogona to produce heavy stemmed plants with larger leaves — 3"-4". Flowers various shades, pink to red, freely produced, often in clusters of 16 - 30 flowers on well grown plants. One of the finest new introductions (Hummel's Exotic Gardens). Potted 4" - 6"..... **\$1.65**



#### EUPHORBIA OBESA

A most curious globe shaped succulent from South Africa. Often with reddish brown markings (dependent on amount of light), like a baseball with stitching. A light position, porous loam, watering moderately. Potted..... **87c**

#### MIMICRY PLANTS COLLECTION J1

Closely resembling their surroundings. Among the most fascinating in the plant kingdom. Plant them together in a 5" pot in quite sandy soil. Culture SR. 5 unlabelled kinds as Jewel plant, Split Rock, etc.

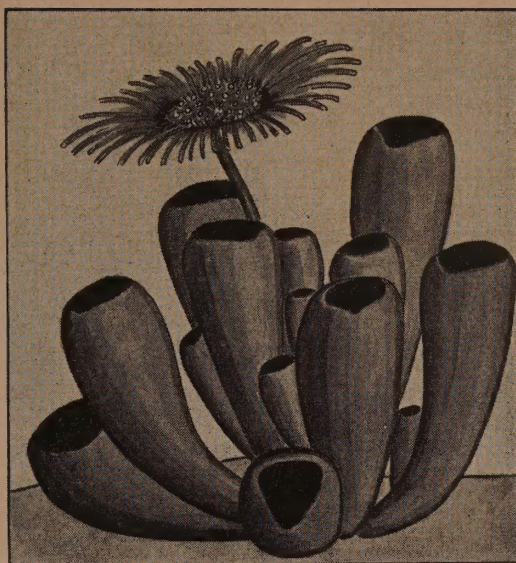
**\$1.65**





#### MEXICAN FIRECRACKER

Almost stemless rosettes of leaves covered with soft downy hairs, often reddish in fall. Echeveria setosa hybrid produces its bright reddish orange and yellow blossoms during summer. Choice. **45c**  
Culture S. Each.....



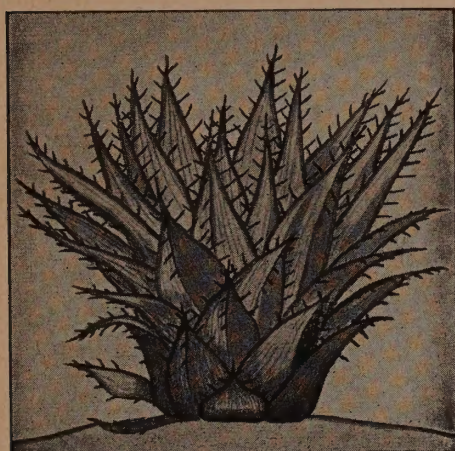
#### BABY TOES

Delicate white blossoms surmounting curious conical Fenestraria rhopalophylla forms small clusters 2"-3" across. Use well drained soil incorporating 1/2 (by volume) sharp sand, a sunny airy position. Water according to culture SR. **57c**  
Potted.....



#### CRASSULA HUMMEL'S SUNSET

Even more brilliant in reality, this new Crassula introduction is a welcome addition to succulent ranks. Actually brightest as a house plant or in partial shade. For best growth and coloring do not place in full sun. A light loam (1/3 Jungle Mix and 2/3 loam) suits it best. **69c**  
Nice plants .....



#### LACE HAWORTHIA

Lovely pale green leaves arranged spirally, each edged with soft white bristles. Single heads 2"-3" across. Haworthia setata does well in sharp sand and peatmoss. Moderate watering, partial shade. Nice. **45c**



#### SCARLET PAINT BRUSH

Pearl grey leaves arranged in two ranks, crowned in midsummer with a 3"-6" cluster of scarlet blossoms. Rochea falcata is easily grown, flowering best when grown outside during summer. Each **45c**

Fragrant Scarlet Paint Brush. A form selected for fragrance. Each ..... **\$1.00**

Crassula Red Princess. A fine Rochea hybrid. Each ..... **60c**



#### AFRICAN LIVING ROCK

Greyish-green leaves looking like nothing so much as a pile of stones! Pleiospilos simulans has bright yellow daisy flowers in late summer. Give a light well drained soil. Water cautiously during midsummer. Culture SR. Each..... **50c**



#### CORAL BELLS

A small creeper or vine, Kalanchoe uniflora has pink Chinese Lantern flowers. Each..... **40c**



#### FLOWERING STONES

Dinteranthus inexpectatus has powdered pinkish leaves and golden yellow flowers. Filtered light during summer and well drained sandy loam is best. Culture SR. Each..... **50c**

#### PAINTED LADY

Given a light soil and adequate light Echeveria derenbergii will be among your most highly colored plants. Powdery-blue leaves tipped with red, forming small rosette clusters. Short stalks of orange bells appear in summer. Culture S. Each..... **40c**

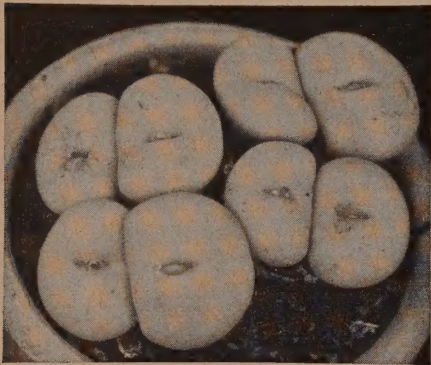






#### TRICOLORED JADE

A long-time favorite of easy culture. Cream colored variegation tinged pink with sufficient light. *Crassula argentea tricolor*. Each ..... **40c**



#### PINK STARS

Exquisite violet-pink flowers enhance the beauty of this choice mimicry plant. Slowly forming small cushions of greyish green leaves, *Conophytum pearsonii* blossoms during early fall. With most of its growth made during winter months, it does best with summer rest period. Culture SR. Each..... **60c**

*Conophytum minutum* \$1 *Conophytum elishae* \$1



#### NECKLACE VINE

Strings of bead-like leaves, reddish with sufficient light. *Crassula perforata* makes a graceful pot with its pendent stems. 2 for ..... **40c**

#### SNOWY ROSETTE

A handsome specimen reaching 15" across. Each leaf covered with a silvery bloom that rubs off like talcum. Growing wild on seaside cliffs, *Dudleya brittonii* likes peatmoss and loam. Moderate watering, plenty of air. Slight shading for best color. Each..... **50c**



#### WAX VINE

Two to three-inch clusters of exquisite pink flowers. Glossy, dark green leaves make a perfect foil. Easily trained to a small trellis. Use soil mixture 2/3 humus (such as Johnson's Jungle Mix) and 1/3 sandy loam (soil that doesn't pack). *Hoya carnosa*. Partial shade. Each ..... **75c**

**PURPLE WAX VINE.** Handsome clusters of deep maroon flowers frosted with silvery hairs. Habit and culture as for Wax vine. Each..... **\$1.00**

**HANGING BASKET WAX VINE.** Branches hanging in green cascades. *Hoya Bella* has small clusters of pink flowers, each with a maroon eye.

Culture as for Wax Vine. Each..... **\$1.00**

*Hoya shepherdii* ..... **\$1.00**

*Hoya* sp. received as *H. imperialis*..... **\$1.00**

*Hoya cinnamomifolia* ..... **\$1.00**

*Hoya keysii* ..... **\$1.00**

*Hoya motaskei* ..... **\$1.00**



#### PUSSY EARS

Trailing stems, sharply pointed leaves clothed in soft downy hairs. *Cyanotis somaliense* has small purple and orange flowers. Does best in very light soil and some shade. Will soon cover basket. Generous waterings. Potted ..... **47c**



#### ELK HORN EUPHORBIA

Always a choice specimen because of slow growth. *Euphorbia lactea cristata* is beautifully fluted and marbled white and green. Small 4"-5" **\$2.50.** Large 5"-6" ..... **\$3.50**



#### ZEBRA HAWORTHIA

Brilliant white raised bands on dark green leaves arranged in a rosette. *Haworthia fasciata* is an old favorite and still one of the best house plants. A light open soil with plenty of humus and partial shade. Moderate watering. Each ..... **50c**



#### UMBRELLA FLOWER

A small pendent or twining vine with dark, silver veined leaves. Curious umbrella-like flowers borne all summer. *Ceropegia barkleyi* does best in light loam, moderate watering. Small tubers. Culture P. Potted, each ..... **45c**

#### OTHER UMBRELLA FLOWERS

*Ceropegia ampliata* (white)..... **\$1.00**  
*Ceropegia cafferum* (var. *C. barkleyi*)..... **75c**  
*Ceropegia debilis*. Narrow leaves..... **75c**  
*Ceropegia haygarthii*. Pale pink & purple.... **\$1.00**  
*Ceropegia sandersonii*. Large, green & white **\$1.25**  
*Ceropegia stapeliaeformis*. White & maroon **\$1.25**  
*Ceropegia dichotoma*. Upright stems..... **\$1.25**  
*Ceropegia barbertonensis* (distinct var. *C. woodii*) ..... **75c**  
*Ceropegia smithii* (var. *C. radicans*)..... **\$1.00**



#### GOOSEBERRY KLEINIA

A curious trailing succulent. Plump leaves have translucent stripes. *Kleinia herreianus* is easily grown, requiring a light position and moderate watering. .... **50c**

*Kleinia articulata*. "Candlestick"..... **50c**  
*Kleinia repens* (*Senecio serpens*) blue..... **50c**  
*Kleinia antandroi*. Cylindrical leaves..... **75c**





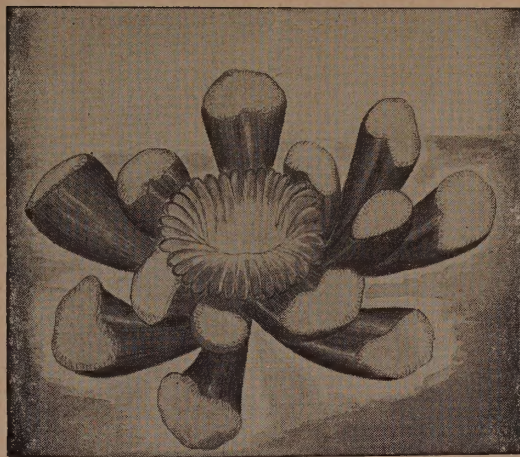
#### BURRO TAIL

Long pendant chains of waxy, pale green leaves often reaching 3 ft. or more in length. Sedum morganianum may be grown in a wide variety of soils but does best in sandy loam with 1/4 peatmoss. In establishing your plant give Culture M. 3 for \$1.00.....Each **40c**

#### ODDS & ENDS

##### COLLECTION J8

Plants left over from our packing tables, rare as well as common. Cacti and succulents, 10 unlabelled plants. Special at.....**\$2.15**



#### PURPLE BABY TOES

Small rosettes of fleshy dark green leaves tipped with translucent windows. Frithia pulchra slowly forms loose clusters. During late summer each cluster is crowned with carmine and white flowers over a period of several weeks. Grow in sandy loam. Culture SR. Potted.....**78c**



#### EYE LEAVES

Ophthalmophyllums have plump green, sometimes reddish, finger-like leaves (actually 2 joined leaves) with translucent windows at the tips. Flowers usually white, sometimes tinged pink. Culture SR. Well drained soil. A very rare collector's item, sure to be the pride of any collection. Each.....**95c**

#### SUCCULENT ASSORTMENT

##### COLLECTION J6

**15** assorted succulents of various types for the beginner. All are good standard varieties such as are in this catalog. Crassulas, Echeverias, Mimicry plants, Haworthias, Kalanchoes, and others of simple culture. Cultural leaflet sent with all orders. Labelled.....**\$4.95**

#### SUCCULENT ASSORTMENT

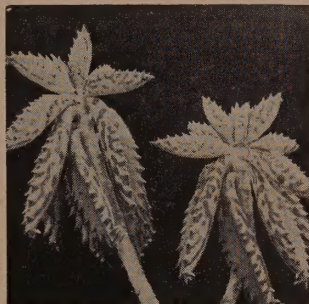
##### COLLECTION J7

**25** choice succulents covering a wider and more varied range. Euphorbias, Haworthias, Stapelias, Mesembis, Crassulas, Huernias, Faucarias, Kalanchoes. All are plants that any collector would like. All plants labelled. Special at.....**\$10.00**



#### JEWEL PLANT

Titanopsis calcareo has tiny rosettes of leaves tipped with tiny bosses. Yellow flowers in fall. Well drained soil, light airy position. Culture SR.....**40c**



#### COCONUT PALMS

Bryophyllum houghtonii bears small plantlets on the leaf tips. Part shade. Easily grown. 2 for.....**40c**



#### CHAIN PLANT

Tradescantia navicularis has pretty pink flowers on dark trailing stems. Easy culture. Give plenty of light. Each.....**40c**



#### TRICOLOR WAX VINE

A handsome vine with cream and pink margined leaves. Hoya carnosa variegata is an excellent house plant. Spongy soil. Culture M. Each.....**80c**



#### EUPHORBIA BUPLEURIFOLIA

Curious bulb-like stem with permanent leaf scars. A very choice collector's item, not recommended for the inexperienced. Needs humus soil and a dry rest during winter. Potted.....**\$2.50**



#### ECHEVERIA GILVA HYBRID

A highly satisfactory pot or garden subject. Cupped green leaves tinged red in winter. Tall stalks of coral pink flowers in spring. Some shade, almost any well drained soil. Moderate watering. Each.....**40c**



#### ODORLESS BLACK STARFISH

Handsome 3'' purple-black flowers. One of the finest, flowering from each summer to late fall. Stapelia berlinensis is a hybrid of the S. variegata group. Use rich but porous soil. Water moderately, giving plenty of sun. Potted.....**95c**





#### STAR CACTUS

Bright yellow blossoms, yellow spines. White spotted body. Choice..... **50c**



#### STONE FACE

Beautifully marked. Lithops closely resembles stones. Rare. Small **40c**



#### OX TONGUE

Spotted leaves like huge tongues. Tall spikes of pink blossoms.... **40c**



#### AIR PLANT

Young plantlets borne at the leaf tips! Handsome rose blossoms. **40c**  
2 for.....



#### DUMPLING CACTUS

Blossoms when young. Dumpling is fine for bowls. Each..... **40c**

### BOWL COLLECTION J5

**8** nice plants including the 5 shown above. Unlabelled .....

**\$2.35**



#### PYGMY WINDOW

Pale green leaf tips marked with dark green translucent windows. Haworthia turgida makes clusters. Culture P Each..... **50c**



#### GREEN JADE

Very smooth, yellowish green to dark green leaves depending on light. Echeveria agavoides forms large rosettes 4" - 6" across. Stalks or orange bells in summer. Easily grown. Each..... **65c**



#### HEART VINE

Also Rosary Vine. Ceropegia woodii forms tubers that send out vining stems, purplish leaves with silver pattern. Curious tubular flowers. A most handsome plant for a hanging pot. **Potted..... 58c**



#### STARFISH FLOWER

Sometimes Star of Bethlehem. Stapelia variegata has yellow and maroon spotted flowers that are perfect 5-pointed stars. Upright stems to 3". Give plenty of light to flower. **Potted.. 60c**

#### MEXICAN GEM

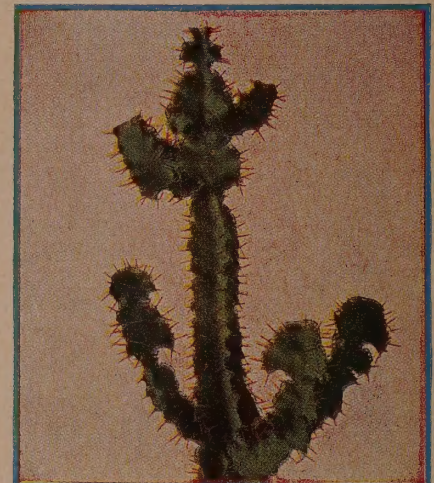
Easily grown Echeveria elegans quickly forms neat clusters of bluish white to snow white. In full sun the leaves are cupped. Each head produces one to several stalks of dusky rose blossoms. Brightest in full sun. Each.... **40c**



#### HAIRY STARFISH

Lovely bright desert stars of maroon fringed with soft purplish hairs. Stapelia hirsuta is a fascinating succulent for the window garden flowering the first year. Give it a sunny but not too hot position. In summer water well with plenty of ventilation. Well drained sandy loam. Nice plants. **Potted..... 65c**

**Stapelia flaviostris.** Purple brown 5" - 6" flowers. **Potted .....\$1.50**  
**Stapelia gettleffii.** 6" flowers, transverse yellow lines. **Potted .....\$1.50**  
**Stapelia leendertziae.** Large dark, purple bell-like flowers. **Potted .....\$1.25**  
**Stapelia kwebensis.** A curious rare species. **Potted.....\$1.50**



#### COWHORN EUPHORBIA

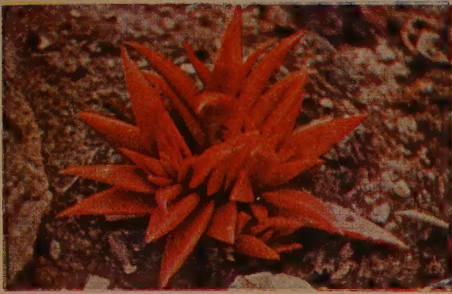
Broad winged stems and stout brown grey spines make Euphorbia grandicornis an outstanding specimen plant. Sandy loam, moderate watering when established. Fertilize with Cactus Food. Mature 8" - 12" rooted cuttings..... **\$3.50**

#### HOUSE LEEK

Sempervivum calcaureum forms bluish - green rosettes, each leaf tipped with maroon. **Hardy.... 40c**







#### SCARLET CORAL

Often light green to reddish, but in poor soil and full sun it becomes dark red as above. *Crassula corymbulosa* is easily grown, but for best coloring grown in poor soil and plenty of light..... **45c**

#### HOW AND WHEN TO WATER

When in doubt, water only when dry. Test the soil to a depth of 1" or so; if dry, water from the top (never soak in a pan of water); if moist leave alone! Do not water on cloudy days, and water sparingly in closed rooms unless adequate ventilation can be given.



#### PINK ST. ANDREWS CROSS

An attractive hybrid of *Crassula triebneri*. Leaves pale yellow green with dark green dots, margined with fine hairs. Stalks of pink flowers appear during summer. Easily grown in almost any soil, give little shade for best coloring, water moderately. Grows well in Jungle Mix. Each..... **40c**



#### CHENILLE PLANT

A choice beauty from Oaxaca, Mexico, *Echeveria pulvinata* is unrivaled. Soft velvety leaves edged with crimson, brightest in fall. Flowering in midwinter with crimson and yellow bells. For best color give a cool light position, sandy loam and peatmoss. Water moderately. Each..... **45c**



#### ADROMISCHUS TRICOLOR

A fine new plant with prettily maroon spotted, silvery green leaves. Quickly forms a specimen to 6" tall. Potted..... **75c**



#### JOSHUA TREE

An attractive small plant seldom over 3" high. An exotic from Algeria, *Sedum multiceps* goes partially dormant during our hot summers. As soon as weather cools it perks up. Moderate watering, shade where hot. Each..... **68c**



#### FISHBONE

A bizarre succulent from Eritrea, *Euphorbia polyantha* makes a splendid pot specimen. Well drained loam, full sun. Water moderately in sun, lightly in shade. Branched plants..... **65c**



#### LOVE PLANT

Exquisite 1" pink flowers. Flowering freely easily grown *Anacampseros lanceolata* is a must. Olive green leaves. Each..... **40c**



#### GIANT WATCHCHAIN

A hybrid between *Crassula pyramidalis* and *Crassula Lycopodioides*. Quickly grows to fill a pot. Bright green closely set leaves. Give adequate light for best appearance. 2 for..... **40c**

#### WART PLANT

Dark green leaves covered with raised white dots. *Haworthia attenuata* forms attractive clusters with lots of babies. Partial shade, rich humus soil..... **50c**



#### WINDOW PLANT

*Haworthia cuspidata* has fat green leaves with darker green windows. Soon forms a cluster. Each..... **40c**







#### KALANCHOE FERN LEAF

The finest Kal. beharensis hybrid (K. beharottii) to date. Stem fully clothed with intricately divided leaves. An easily grown pot plant introduced by Hummel's Exotic Gardens. **Potted.....\$1.25**



#### CANDY STICK

Senecio stapeliaeformis has thick angled stems mottled purple and silver. Sandy soil, moderate watering. **Choice. Each.....60c**



#### BEAD VINE

Strings of bright green leaves. Crassula rupestris has clusters of pink flowers. An excellent trailing plant for a hanging pot. **2 for.....40c**



#### ALOE SUPRAFOLIATA

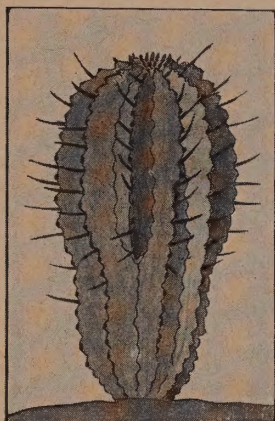
Curiously begins life with opposite leaves as above, assuming whorled pattern as it matures. **Potted.....90c**

### WHEN TO ORDER SUCCULENTS

Cacti travel well in hot weather but succulents do not. The first 11 pages of this catalog are devoted exclusively to succulents. In hot weather, the months of July, Aug., and Sept., we do not prefer to ship succulents. During this period they may lose their leaves shut up in boxes. They may go via Air Cargo safely. All orders going east of the Mississippi River will be shipped Air Cargo. A new Johnson Service!

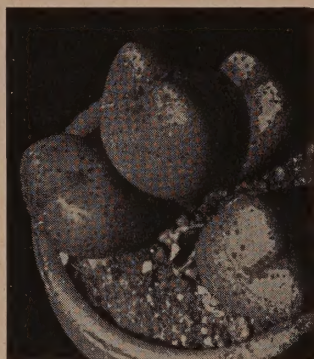


The splendid collection of Mrs. Lucille Mortensen, Michigan.



#### DEVIL'S CLUB

Rose colored young spines and dark green body make an attractive contrast. Euphorbia cereiformis is easily grown and soon branches. **Each.....47c**



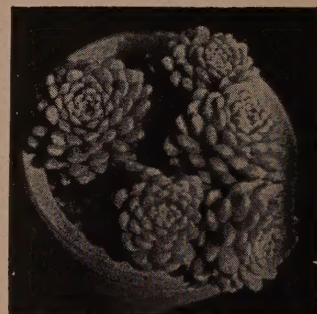
#### CONOPHYTUM ERNIANUM

Grey-green leaves covered with dark green dots. Pink to lilac flowers. A choice succulent from S.W. Africa. Culture SR. Ea. **60c**



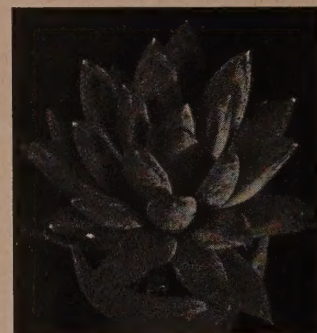
#### PINK CHAIN

Sedum sieboldii is a choice trailing succulent for a hanging pot. Clusters of pink flowers, glaucous-blue leaves. Hardy. Each..... **60c**



#### MONANTHES POLYPHYLLA

Forms dense cushions of small many-leaved rosettes. Should be kept slightly moist. Very choice. **Potted.....90c**



#### BLUE CHALICE

Pachyveria glauca forms beautiful powder-blue rosettes. Slender stalks of red-orange flowers. Each..... **40c**



#### FAIRY WASHBOARD

Haworthias are among the choicest house plants. Tolerant of a wide range of conditions. Haworthia limifolia is one of the finest. Dark green leaves with transverse raised bands like a tiny washboard. Culture P. Light loam, moderate watering. Each..... **75c**



#### AIR PLANT

Kalanchoe tubiflora bears young plantlets at the leaf tips. Leaves mottled olive green and maroon. 2 for **40c**

### EUPHORBIA

The succulent Euphorbias like a rich well drained soil to do their best. Water when dry, but do not keep wet.

barteri .....	\$1.25
carlsonii .....	\$1.50
coerulescens .....	\$3.50
frankiana .....	\$1
ferox .....	\$1
fruticosa .....	\$1
grandicornis .....	\$3.50
horrida .....	\$1
jansenvillensis .....	\$1.25
ledienii .....	\$1.50
nivulica .....	\$1.50
submammillaris .....	.75c
susannae .....	\$1.50
winkleri .....	\$3.50
officinatum .....	\$1
pseudocactus .....	.75c
loricata .....	\$1.25
leuconeuva .....	\$1.00
royleana .....	\$1.75
muirii .....	\$1.25
excelsa .....	\$1.00
resinifera .....	\$1.00
aggregata alternicolor..	\$1



#### GIANT STARFISH

Stapelia gigantea bears enormous flowers more than a foot in diameter. Easily flowered in a 4" or 5" pot. Clustering plants 6' tall. A rich porous moderate waterings, full sun. **\$1.00**

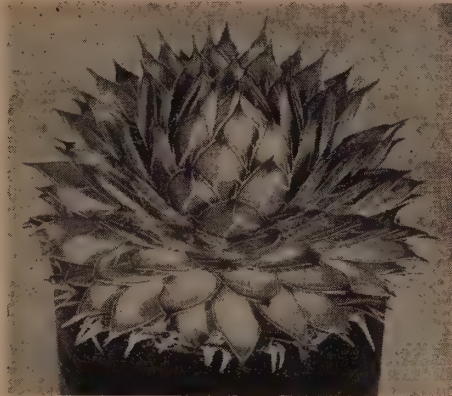




#### CORAL BEADS

Round, reddish coral leaves. *Sedum stahlii* is brightest in poor soil and plenty of light. 2 for.....

**40c**



#### AGAVE FILIFERA COMPACTA

A compact form of *Agave filifera* rarely over 6" across. Beautifully marked, slow growing. Will always be rare. Each, from quart containers.....

**\$3.50**



#### CALICO OX TONGUE

*Gasteria maculata* is mottled olive green, white and pink. Loam and peatmoss. Culture P. Each.....

**65c**



#### EUPHORBIA CLANDESTINA

A rare and pretty species from the S. African veldt. Normally growing 1' - 2' tall. A porous soil, light position and moderate watering. Potted. Each.....

**95c**



#### GREEN GRAPES

Globose grey green leaves with numerous dark green dots. *Conophytum multipunctatum* is from Cape Province, S. Africa. Culture SR. Each.....

**60c**



#### HERCULES CLUB

A native of the Canary Islands, *Euphorbia canariensis* is a choice addition to any succulent collection. Deep olive green, almost black. Full sun, moderate watering.

Potted seedling. Each.....

**\$1.00**

#### KALANCHOE

All priced at 75c each: Leafy succulents of easy culture. Often with attractively colored leaves or bright flowers. Light potting soils and plenty of sunlight assures best coloring. Species: *Kalanchoe figuereidol*, *pubescens*, *miniata*, *fedtschenkoi*, *fedtschenkoi variegata*, *prolifera*, *dyeri*, *obtusata*, *crenata*, *somaliense*, *pumila*, *gumifera*, *thyrsiflora*, *dawei*, *laxiflora*, *rosei*, *peltata*, *velutina*, *mariorata* (Penwiper Pl.) *longiflora coccinea*; Hybrids: Tom Thumb, Gold Dust, Orange Queen, Crimson *Kalanchoe*.



#### DESERT ROSE

*Trichodiadema densa* forms bristly cushions surmounted by rose-pink flowers in late summer. Culture SR. Each.....

**50c**



#### MILK TREE

Three angled stems, green with white markings. Leaves appear and soon drop off as plant grows. *Euphorbia hermentiana* (or *E. trigona*) branches freely. Easy culture. Each.....

**45c**

#### HAWORTHIA

<i>bicarinata</i> .....	\$1
<i>deltoidea</i> .....	\$1
<i>minima</i> .....	\$1
<i>hurlingii</i> .....	\$1
<i>vittata</i> .....	\$1
<i>integra</i> .....	\$1
<i>coarctata</i> .....	75c
<i>haareana</i> .....	\$1
<i>skinneri</i> .....	75c
<i>mirabilis</i> var .....	75c
<i>denticulata</i> .....	\$1
<i>umbraticola</i> .....	\$1
<i>cymbiformis</i> .....	\$1
<i>magnifica</i> .....	\$1
<i>pilifera</i> .....	75c
<i>maraisii</i> .....	\$1
<i>reticulata</i> .....	\$1
<i>Planifolia</i> .....	
<i>setulifera</i> .....	\$1
<i>turgida</i> var. .....	
<i>turgida</i> .....	75c
<i>Janseniiana</i> .....	75c
<i>nitidula</i> .....	\$1
<i>emelyae</i> .....	\$1
<i>decipiens</i> .....	\$1
<i>altifolia</i> .....	75c



#### GOLDEN STARS

Clusters of fat greyish-green leaves, with bright golden flowers in early fall. *Conophytum aureum* prefers a sandy loam. Water carefully during summer months. Culture SR. Each.....

**65c**



# ORCHID CACTI

## — CULTURE —

The Orchid Cacti are not desert plants but forest or jungle plants and need quite different care than the true desert types. The parents are native to Mexico and Central America and extend to Brazil and Peru in South America. Some are found in wet jungles but most of the larger flowered types from which our hybrids have descended are native to the drier mountain forests where Oaks and Pines are at home.

Since they are often epiphytes, that is tree-dwellers living perched up on the branches or clinging to the trunks, it will be seen that they enjoy fresh air. Give them good ventilation, they will appreciate it more than heat. They don't like freezing of course and at temperatures below 32° one is taking unnecessary chances. In California they will take temperatures of 27° without great harm.

Epiphytes are not used to sticky or clayey soils as in nature the roots creep about in the moss, roots and accumulated humus which is understandably not too plentiful high up in a tree nor is much to be found on the rocks or cliffs which the plants also frequent. Thus in your garden they will thrive best in an open, porous soil with leafmold (humus) where the roots will get plenty of air. They will suffocate in wet clayey soils.

There is generally some shade where they grow, not dense shade but broken sunlight. So in your window garden put them where they get some sunlight but not the hot mid-day sun. If they can be put outdoors in summer they will appreciate it. On a protected veranda or under the shade of a tree will suit them fine.

## JOHNSON'S JUNGLE MIX

Our own compost especially designed for Orchid Cacti, Xmas Cactus, Rhipsalis, our new hybrids such as Temple Fire and Pink Beauty, and all others of similar nature. With full instructions.  
Per bag 120 cu. inches (with orders).....75c  
6 quart box. Postage free.....\$2.00  
West of Mississippi River.....\$1.75



**HERMOSSISSIMUS**

A brilliant bicolor hybrid with deep crimson outer petals the inner petals and throat a glowing electric violet each petal with a median stripe of orange. A continued favorite over many years, this lovely Orchid Cactus is still an eyecatcher. The branches are rather slender, the flower buds long, slim and pointed. A free bloomer of vigorous growth, generally flowering in April. It should have a light open soil such as Johnson's Jungle Mix one part, loam one part, 40 mesh sand 1/2 part. Each..... **\$1.25**

## CARE OF NEWLY POTTED ORCHID CACTI

When you receive the plants the roots will be in a plastic bag which keeps them moist yet gives them air. When your potting soil is ready it should be barely moist so you can sift it among the roots. Use about a 3" or 4" pot for the first potting. Small pots are best at first as they allow for more air which encourages new root growth. Pot only moderately firmly, seeing that the compost is on the coarse side, not too fine. Water well, then place the plants in a well lighted window with ventilation. They like fresh

air. A temperature of 60° is excellent. 10° lower or higher is acceptable. Keep barely moist, not wet. In a month new roots should be established. Later they should be put in 5" or 6" pots to finish their summer growth. If you have a sun porch or greenhouse place the pots in a light position but protect at first from the mid-day sun to prevent scalding. Cacti do not wilt like ordinary plants but draw upon stored water reserves until roots are started.

## LIST ACCORDING TO GENERAL COLOR

### PINK AND LAVENDER

#### NEWER VARIETIES

- Sea Breeze.** Lovely brilliant pink. Inner petals cup shaped. Outer erect, rose. Fine basket type **\$1.50**
- Ballerina.** Deep rose blossoms of Empress type. Inner petals pale pink.....**\$1.50**
- Bel-Air.** Cup shaped flowers, rose pink with delft rose center.....**\$2.50**
- Carnation.** Lovely carnation-pink, rose eye. Broad overlapping petals. Strong grower.....**\$1.25**
- Royal Rose.** Deep lilac with buff-rose overtones..**\$2**
- Dragonet.** Coral blending to purple, throat crimson. Outer segments white stripe.....**\$1.25**
- Melrose.** Large buff-rose, base of petals lavender, outer petals tan.....**.90c**
- Belle Briggs.** China rose sepals and lighter pink petals. Large flowers.....**\$1**
- Marionette.** Lilac pink darkening toward edges. Fine basket type.....**\$1**
- Calender's Pfau.** Light lavender cerise. Tan back petals well reflexed. Center petals cupped, rounded and crimped. Large flower.....**\$1.75**



**TEMPLE FIRE**

One of the finest hybrids in our Apophyllum series (Aporocactus x Epiphyllum). Trusses of fiery red blossoms on slender pendent stems. Very free flowering. **\$1.50**  
Culture as for Orchid Cacti. Potted.....



**PINK BEAUTY**

Extremely free flowering, producing clusters of rose pink blossoms over several week. Our Apophyllum hybrids are grown in the same manner as Orchid Cacti. You will find Johnson's Jungle Mix an ideal planting mix. An occasional feeding of acid plant chem will keep them healthy. Potted..... **\$1.50**





#### POLDI SVETNIC

A charming free flowering plant. Glistening white starry blossoms the inner petals spreading. Petals numerous, slender. Use a rich but porous soil (Jungle Mix) with some peatmoss or leafmold to make it spongy. Keep moist but not wet. Partial sunlight. Each..... **90c**



#### WAIIKI RAINBOW

Violet iridescence overlays the whole flower with the outer petals shading to red. An exceptional wide opening flower with strong clean growth. Extremely free flowering. We strongly recommend this beauty to every fancier whether beginner or advanced collector. Use a light open soil. New..... **\$1.95**



#### WHITE CHRISTMAS CACTUS

Opalescent white petals with pale pink blush. *Zygocactus delictatus* is larger flowered than the commoner Xmas Cactus. Very free flowering, Nov.-Dec. Small 3-5 leaved plants, **potted**..... **\$2.50**

#### ORANGE TO AMBER

**Bliss.** Bright orange. Large flower with rounded petals. Strong grower..... **90c**

**Brown Bear.** Lovely cup-shaped flower bronzy orange. Vigorous plant..... **\$1**

**Dr. Von Roeder.** Large orange flowers with buff over-lay. Handsome..... **85c**

**Flamingo.** Brilliant amber-orange with pink over-lay. Center violet. Splendid..... **\$1**

**Stern von Erlau.** Amber within, outer petals red. Lustrous ..... **\$1**

**Ernest Seyderhelm.** Large coppery orange shading to red and violet..... **\$1**

**Montezuma.** Fine orange flower with violet..... **\$1.50**

**Scintilla.** Dark amber center stripe with coppery edge ..... **\$1.25**

**Fiesta.** Fine reddish orange..... **85c**

**La Campana.** Large deep orange flowers. Sepals and petals rounded to slight spoon..... **\$1.25**

**Hauffii.** Buff orange. New..... **\$1.50**

**Sunburst.** Large flower, burnt orange within, vivid violet throat. Good grower..... **\$1**

**Valencia.** Deep orange-red, violet throat..... **90c**

**Amber Queen.** Large to 10'', brilliant orange red inner petals shading to yellow at base. Flower has amber glow..... **90c**

**Oberst Kunrich.** Inner petals deep violet outer petals shading to copper..... **90c**

#### RED TO RED VIOLET CONT.

**Gloriole.** Fragrant cup shaped flowers deep red with violet overtones..... **90c**

**Scarlet Giant.** Very large orange scarlet, throat violet red. Good grower..... **90c**

**Viviana.** Handsome deep red-purple opening widely. Good basket variety..... **90c**

**Hans Rehm.** Lovely claret red 8'' blossoms. Petals bordered violet..... **85c**

**Franz Lehar.** Crimson outer petals, inner petals rose red. Good grower..... **\$1**

**Leobneri.** Inner petals red suffused with lavender outer red violet..... **\$1.25**

**Orion.** Large red scarlet blossoms with bright violet throat. Fine..... **\$1.50**

**Gamut.** Large fragrant blossoms. Red outer petals, inner petals red violet edged with lavender at the base..... **90c**

**Hermosus.** Large red purple. Strong grower..... **85c**

#### WHITE AND YELLOW

**Marina Special.** Large flower each petal heavily feathered with clear yellow on white ground. Beautifull Vigorous plant..... **\$1.50**

**Thalia.** Fragrant white. New..... **\$2.50**

**Ben's Laura.** Many petalled semi-double flower. Petals chiffon-like, pearled clear to throat, opening very flat. Late bloomer..... **\$1.25**

**Moonrise.** Lovely fragrant large white blossoms with saffron yellow outer petals. Vigorous, free flowering. Excellent..... **85c**

#### FLAMINGO

A huge flowered variety up to 10'' across, brilliant burnt orange with golden sheen and violet eye. An established favorite over many years. Place in partial shade, water generously during summer. Each..... **\$1**

#### RED TO RED VIOLET

**Northern Lights.** Lavender deepening towards ends of petals tipped with rose..... **\$2**

**Southern Beauty.** Large red violet. New..... **\$2.50**

**Sherfy's Glory.** Long pointed petals and sepals, fuchsia purple with red..... **\$3**

**Thunder Cloud.** Large deep red, inner petals edged violet. Choice new variety..... **\$2.50**

**Camillo Schneider.** Large bright red flower petals bordered with lavender..... **90c**

**Champion.** Large deep red blossoms edged with violet. Strong grower..... **90c**

**Dante.** Large 9'' orange red blossom inner petals suffused delicate violet tones..... **85c**





## WHITE AND YELLOW CONT.

- Regina del Chiaro.** Large white with lemon yellow pointed petals. Inner petals wide opening with crimped tips. Choice. New.....\$2.50
- Bridal Veil.** Giant pure white. Broad crimped petals. Soft Texture. New.....\$2.50
- Polar Bear.** Handsome large white petals tipped with yellow. Outer petals recurved, lemon yellow. Good grower.....\$1.50
- Easter Morn.** Fragrant. Inner petals white, outer flaring yellow and gold.....\$1.00
- Eden.** Fragrant. Very large pure white. Outer sepals rich yellow. Handsome.....85c
- Londonii.** Creamy white petals within. Outer deepening to yellow. Lovely.....90c
- Mt. Hood.** Fragrant large pure white within, outer petals yellow.....85c
- Oriole.** Charming white and gold 7" blossom. Plant vigorous, free flowering.....85c
- Alice Roosevelt.** Large many petalled white with rich yellow sepals.....\$2.50

## BRILLIANT TRICOLOR BLOSSOMS

- Canadian Ruffles.** Blue-violet flower delicately ruffled. New.....\$2.50
- Joseph de Laet.** Dark orchid sepals blending to white petals.....\$1.25
- Rainbow.** Red-violet inner petals, lilac outer petals.....\$2.50
- Pride of Bell.** Brilliant blossom. Inner petals orchid pink with light burgundy center. Outer petals orchid deepening to deep burgundy. Sepals rose orchid. Satiny texture, opening flat.....\$2.50
- Sherman E. Beahm.** Giant flower predominantly purple-red. Full wavy edged petals with violet center stripe toning to orchid margin.....\$1.50
- Dr. Werderman.** Lovely bright blossoms of rich orchid color petals with darker center stripe and almost white margin.....\$2.50
- Pegasus.** Outstanding large flower. Petals broad with red center stripe surrounded by purple with lavender margins. Silky texture.....\$1.50
- Marseillaise.** Fragrant three-toned flower. Crimson to lavender to pale lavender and white on edge.....\$1.25
- Anton Gunther.** Blue-violet flower. Petals red-violet to lilac with white edge. Back petals red-violet.....\$1.25
- August von Szombathy.** Inner petals with delicate violet stripe shading to pink, outer petals deep violet. Excellent for corsages.....\$1.25
- Friederick Werner Beul.** Fragrant 10" blossoms petals with orange center stripe shading into violet and pale lavender with white edges.....90c
- Paula Knebel.** Large flower outer petals crimson, inner petals violet shading to lavender at edge with orange center stripe.....\$1

## RED VIOLET TO MAROON

- Blackamoor.** An outstanding deep-red purple flower the deepest colored of the Orchid Cacti. Inner petals deep purple, outer petals darkening to an almost red black. Fine form and texture.....\$1.75
- Chauncey.** Dark red-purple. Large flower, excellent quality. Vigorous plant. Fine.....\$2.50
- Bambi.** One of the most vivid blossoms imaginable. Brilliant fuchsia-red petals shading into bright carmine. Larger than Kaiserin. A truly lovely plant.....\$1.75

## APOROPHYLLUM LAWRENCE

A veritable cascade of soft salmon pink blossoms when in flower. Plant in spongy porous loam. Give partial shade, water generously during summer.....\$1



- Thorienne.** Flower of unusually wide funnel-form shape. Petals dark red shading to violet along the margins. Fine.....\$1.25
- Alta Scott.** Brilliant blossoms. Petals deep red, margined purple to lilac.....\$1.25
- Mrs. Grant.** Flowers predominantly purple with red outer petals.....85c
- Mons. Jolibois.** Red petals shading to orange at center. Throat violet.....85c
- Etoile de Contich.** Red violet.....\$1.50
- Belgian Pfau.** Outer petals deep orange, inner petals dark violet, edges white. Fragrant.....\$1.75
- Carnival.** Large red violet. New.....\$2.50
- Luavi.** Salmon red with lavender tinge. Basket type. New.....\$1.25
- Stern von Erlau.** Lustrous orange red flower, petals bordered with purple.....\$1



## EARLY FLOWERING XMAS CACTUS

Flowering in October *Zygocactus bicolor* is very free flowering. Blossoms large brilliant salmon pink. Every plant produces flowers on the tips of each stem. The stems or joints are shorter and broader than Xmas Cactus and are toothed. Plant vigorous. Thrives in our Jungle Mix to which 1 part sandy loam, 1 part sharp sand is added. Potted.....\$1

## ORCHID CACTI COLLECTIONS MONEY SAVING VALUES!

### JUBILEE ASSORTMENT

#### COLLECTION J12

**7** named Orchid Cacti in a fine range of color and varieties. White, red, crimson, pink, lavender are standard vigorous growers. A rainbow in your window. Pot first in 3" or 4" pots until well established then shift to 5" or larger. The set.....\$5

### RAINBOW ASSORTMENT

#### COLLECTION J14

**3** fine Orchid Cacti in red, white and pink. These are all nice named varieties and should make fine plants. Pot them in 3" to 4" pots and shift to 5" pots when established. All labelled.....\$2

### SPECIAL ASSORTMENT

#### COLLECTION J15

**25** named Orchid Cacti at money saving prices. Full color range of standard and choice varieties. Our selection.....\$19.50

### SUPREME ASSORTMENT

#### COLLECTION J20

**50** grand and glorious Orchid Cacti. Our finest collection. Our selection.....\$38.50

## EASTER CACTUS

*Rhipsalidopsis gaertneri* flowers at Eastertime. The blossoms are 1½"-2" in diameter, brilliant red in color. When well grown they can be unbelievably prolific in bloom carrying hundreds of blossoms in a shimmering cascade. Similar in habit and cultural requirements to Xmas Cactus. Potted.....\$1

## DISAPORA

Distinct and charming basket or hanging plants. The blossoms are bright carmine red 1½"-2" long, slender outer perianth recurved, inner open. Most unusual and very lovely for upper brackets in a window. The slender ribbed stems may reach 2'-3' in length. Give them the same treatment as for Epiphyllum or Xmas Cacti.....\$1.50

## CHIAPORA

Handsome plants with the habit and appearance of Epiphyllum and thriving with the same care. The flowers are somewhat like Chiapasias but bright rhodamine purple in color. They are very free flowering the blossoms 2"-3" in diameter outer perianth recurved inner cup-shaped. Flowers borne in March and April. Vigorous habit. Each.....\$1

## WERCKLEOCEREUS IMITANS

A rare Epiphyllum like plant having broad flattened stems with deeply notched margins.....\$1.25

## CHRISTMAS CACTI

### ZYGOCACTUS

Christmas Cacti or Crab's Claw are well known old favorites having been in cultivation since 1818. All of the hybrid introductions stem from the original species, *Zygocactus truncatus* and color variations, from the Organ Mtns., Brazil. Few people realize the color and stem form variations of the new hybrids. It is with pride and pleasure that we introduce several new hybrids to our customers this year. **Culture:** All require the same care as Orchid Cacti. Light porous soil slightly on the acid side. Jungle Mix is recommended.

**JOHNSON'S VIVID.** Intense scarlet-red blossoms. A lovely variety flowering in November and December. Joints strongly toothed up to 8 at each node. Small plants. Potted.....\$1.50

**ORANGE GLORY.** A vigorous new variety with very large flowers of light orange red. Flowering period in November and December. Potted.....\$1.50

**SALMONEUS.** Thanksgiving Cactus. Salmon-red or scarlet flowers in November to December. Small plants. Potted.....\$1.25

**AMELIA MANDA.** Large pale crimson blossoms, petals pink at base. Small plants. Potted.....\$1.25

**BAHAI.** Late bloomer. Joints short, plants compact. Free flowering. Flowers pale crimson. Small. Potted.....\$1

**PARNA.** Flowers pale crimson to deep pink, paler pink throat. Leaves long, growth open. Vigorous plant. Small. Potted.....\$1.00

**SOUTH ORANGE.** Crimson flower. New introduction. Potted.....\$1

### QUEEN CACTUS

Popularly known as "Night-Flowering Cereus" though actually an Epiphyllum sp. (*E. oxypetalum*). Grown as a house plant throughout the world. Blooms in the summer time with snowy white blossoms which are as fragrant as a dish of tropical fruit. Will bloom freely in a 5" pot. Nice plants.....\$1.50





## CHRISTMAS CACTI (Cont.)

**PINK ELEPHANT.** A very large, soft pink blossoms of excellent form. The plant is vigorous and free in flower. Potted, Each.....\$1.50

**MIA.** Lovely dark red pink blossoms of large size. Large crisped branchlets. Strong growing plant flowering in January and February. Potted, Each .....\$1.50

**VIOLACEUM.** Darkest violet-red variety. An old but scarce plant. Free in flower the buds opening in December and January. Potted, Each.....\$2

**PETER PAN.** Violet crimson. Dwarf growth.....\$1



**SCHLUMBERGERA RUSSELLIANA**  
ANOTHER XMAS CACTUS

A handsome, rare and very distinct species native to the Organ Mts. of Brazil. The young stems are often bright copper-red, the margins crenate. The lovely flowers are pendent, sometimes regular, color bright red tinged crimson. This plant we imported from the wilds.  
Potted, Each.....\$2.50

## EASTER CACTI

### SCHLUMBERGERA

Correct name Rhipsalidopsis

**EASTER CACTUS.** Rhipsalidopsis gaertneri. The plant is more upright, like a bush, than Xmas cacti, the flowers brilliant red opening flat or wheel-shaped. They flower in April. The tip of each stem bears 1-3 large flowers. They are unbelievably free blooming. I have counted over 100 flowers on a well grown plant. Treatment as for Xmas cacti but give them the lightest position. Potted, Each .....\$1

**CRIMSON GIANT.** A vigorous variety with very large flowers and often very big stems 3"-4" long. One grandparent was R. rosea. Potted, Each .....\$1.25

**CAT'S WHISKERS.** Schlumbergera (Rhipsal.) Makoyana. This variety has many stiff, brown bristles up to 3/4" long tipping the yellow green stems. Flowers large, bright red. Potted, Each.....\$1.50

**CHINA PINK.** Rhipsalidopsis rosea hybrid, a vigorous plant larger in all parts than R. rosea the flowers being double the size. Joints at first winged, later flat, green, margined red. The lovely pink flowers borne in abundance tipping each stem. Potted, Each.....\$1



**MISTLETOE CACTUS**

The small white blossoms are followed by white berries. Rhipsalis mesembryanthemoides likes shade and should be kept moist.  
Each.....\$55c



**ROSETTA**

Handsome warm pink, the blossoms cup-shaped. A small growing, very free flowering plant, good either as a pot plant or for baskets. The blossoms make nice corsages.  
Potted, Each.....\$1



**CHIAPASIA NELSONII**

These Mexican plants are fine for shady places. Their habit of growth and care is similar to Orchid Cacti. Thin round shoots are sent out on which are borne the flat, leaf-like flowering branches. Handsome 2 1/2" rhodamine-purple blossoms open in early spring. Each.....90c



**RHIPSALIS RHOMBEA**

Small growing pot or hanging plant, reddish-purple stems cream-yellow flowers in late spring. Shade culture.....60c

## FUCHSIA CACTUS

An attractive, small, shade cactus with handsome pink blossoms in early spring. The plant looks like a small, bushy, spineless Opuntia but is closely related to Xmas Cactus. Culture as Xmas Cactus. Epiphyllanthus opuntoides.  
Potted, Each.....\$1

## HATIORA

Very pretty, fern-like cacti with slender, much-branched, clavate stems which become pendent with age. Small, orange-red flowers in spring. Grow in shade and are best kept moist. **HATIORA BAMBUSOIDES.** Vigorous deep green stems, 75c. **HATIORA SALICORNIOIDES.** Very fern-like. Dainty. Each .....75c

## ERYTHRORHIPHALIS

Pretty, pendent, slender-stemmed cacti for a shady spot. Stems with white hairs, flowers terminal, white, followed by red berries. Keep moist. E. Pilocarpa. Each .....\$1

## CRYPTOCEREUS ANTHONYANUS

A shade cactus whose deeply notched leaves look like a swordfern. A spectacular plant when well grown as the branches become very long. Flowers orange red. Each.....\$2.50



**SNOWDROP CACTUS**

Gracefully arching branches set with pretty white bells in spring. Likes a shady location, a porous soil and generous waterings in summer.  
Rhipsalis houlletiana. Potted, Each.....75c

## APOROPHYLLUM

A very popular group of Orchid Cacti hybrids which prolong the flowering season. They have round instead of flat stems and may be trained upright or allowed to hang. See illustration page 14. Culture as in Orchid Cacti.

**ODALISQUE.** Soft shrimp pink blossoms. Potted, Each .....\$1

**TEMPLE DUSK.** A large flowered variety with handsome buff-pink blossoms a most pleasing color. Vigorous growing. Potted, Each.....\$1.25

**TEMPLE FIRE.** See page 12.

## RATTAIL CACTUS

**Aporocactus** are old favorites. Culture as for Orchid Cactus but give them the lightest position for best flowering.

**APOROCACTUS CONZATTII.** A large, more vigorous plant than the old Rattail. Large bright red flowers. Each .....\$1.50

**GOLDEN PINK RATTAIL.** A. flagriformis. Large, soft pink blossoms tinged orange. Potted, Each.....\$1.50

## SUN CEREUS HYBRIDS

**Aporoheliocereus** are brilliant red, tinged purple blossoms with the habit of Aporophyllum and same culture. **HAZEL HYBRIDS** are vigorous, spiny stemmed, large flowered beauties. Potted, Each .....\$1.25

## EPIPHYLLUM CHRYSOCARDIUM

One of the oddest cacti with broad, ribbed stems, like a fishbone or Cycad, up to 5' long. Huge blossoms to 10", golden outside, white within. Each .....\$2.50

## RHIPSALIS

We have about 40 species of these interesting shade cacti at 75c each.

## WEBEROCEREUS

**Weberocereus trichotus.** Slender, round stems, pink flowers. 75c. **W. biolleyi.** Slender, spineless, stems, pink blossoms. Fine for windows. 75c

## TEMPLE GLOW

Pendent or trained on trellis, plants are smothered in brilliant pink and orange blossoms in spring. Rich, porous compost, moderate to generous waterings. Protect from mid-day sun. Potted, Each.....\$1





## ORCHID CACTI (cont.)

### SPECIAL NOTICE

Through the economy of an exceptional harvest of top quality sales stock, we are able to offer Bambi and Blackamoor (formerly \$3.50 each) at greatly reduced prices this year. See listing.

**BAMBI.** Brilliant fuchsia-red and carmine. Medium, basket type..... **\$1.75**

**BLACKAMOOR.** Large. Deep red purple, cupped petals..... **\$1.75**

Two of the finest introductions in recent years.



### RHIPSALIS CRISPATA

Pale green flattened stems and small creamy-white flowers. Basket type..... **50c**



### GLORIA

A perennial favorite with our customers, delighting the eye with gorgeous flame colored blossoms up to 9" across. Valued for a longer than usual flowering period (May-Aug.) and steady growth. Grow this beauty in Jungle Mix for perfect results. An outstanding variety and much recommended. Each..... **90c**



### SPRING BEAUTY

A small plant with exquisite rose-pink blossoms at the branch tips. *Rhipsalidopsis rosea* prefers cool, moist treatment.

Potted..... **90c**



### CONWAY'S GIANT

A huge flower with broad, crimson outer petals. Inner petals overlaid with violet. Vigorous and free blooming..... **90c**



### PROF. EBERTS

A very lovely free blooming variety with many petalled flowers of bright violet carmine. A good sturdy plant to flower with attractive upright triangular stems bearing its flowers boldly. Each..... **95c**

### ANDRAE

Vigorous, clean growth and flowering ease recommends this beauty to every fancier. A hybrid between the easily flowered Easter Cactus (*Rhipsalidopsis gaertneri*) and the lovely pink Spring Beauty (*Rhipsalidopsis rosea*). Flowering in April with blossoms up to 3" across. Preferring a spongy soil (Jungle Mix), partial shade, generous watering in summer with feedings of acid plant chem. Small 1-3 leaved potted plants..... **\$1**



### PADRE

A vigorous, strong rooted plant always dependable for a good display of large, lovely pink blossoms. Besides the regular flowering period it may bloom at odd times through the year. Each..... **90c**

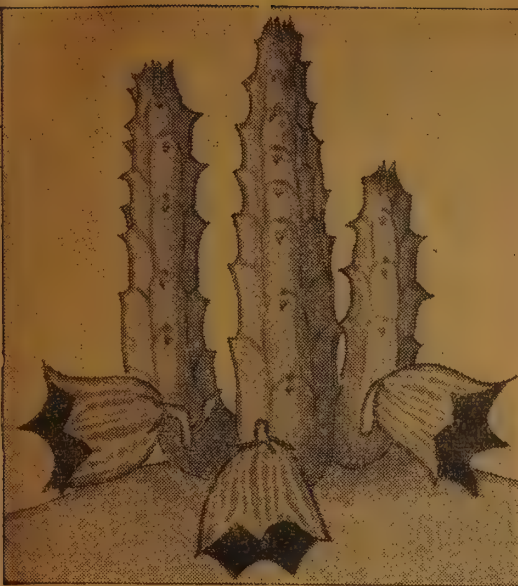


### CHRISTMAS CACTUS *Schlumbergera bridgesii*

The most popular of all cacti. Flowers are rose-red with a satiny sheen. Grow in leafmold, peatmoss and sharp sand (Jungle Mix). Keep damp, give partial shade. Nice plants. Potted, \$1.50 and..... **75c**







#### KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell shaped flowers. *Huemia keniensis* is an easy and vigorous grower and blossoms from spring to cold weather. Nice..... **45c**

#### MIXED CEREUS SEED

A mixture of various types containing *Lemaireocereus*, *Trichocereus*, *Cleistocactus*, *Cereus*, *Carnegeia*, *Eriocereus*, *Pachycereus*, *Cephalocereus* etc. Seed germinates in 7 to 21 days. Best germinating temperatures 70° to 75°. Per Packet..... **60c**

#### PARAMOUNT HYBRIDS MIXED

This seed has been carefully collected from 100 of my better Easter Lily Cactus hybrids. They are the result of crosses between *Echinopsis* and *Lobivia* bringing together the lovely colors of *Lobivia* with much larger, graceful flowers of *Echinopsis*. This has created a whole range of new colors not found in either *Lobivia* or *Echinopsis*. Shrimp pink, salmon pink, smoky rose, orange, red are all to be found. A good proportion of the plants should be well colored; all will have large lovely flowers. 50 seeds..... **50c**

#### MIXED PINCUSHION SEED

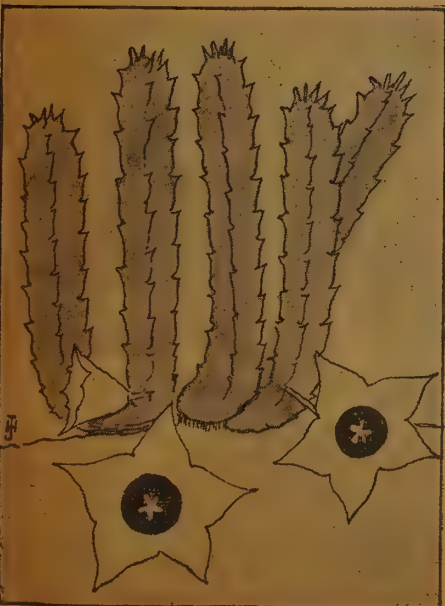
*Mamillarias* are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per Packet..... **40c**

#### MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds offered are grown by us. *Pleiospilos*, *Lithops*, *Lapidaria* and many others are included in this selection. Some seeds are very tiny. Per Packet..... **50c**

#### RED DRAGON FLOWER

*Huemia schneideriana* bears beautiful flowers with velvet red petals and black center. Flowers all summer. Nice plants..... **45c**



### CACTI and SUCCULENT SEEDS

Cacti and many Succulents are readily grown from seeds. Some fast growing species make attractive small specimens within a year but most are slower in attaining size. Seeds germinate quickly depending upon temperature. Many will be up in two weeks at 60° to 70°. Keep seeds wet until well sprouted. Full planting instructions with each package. We recommend our Jungle Mix for seed sprouting. Purchases of 50c or more of seed will be sent without packing or postage charge. No discount on seeds.

#### DE LUXE MIXTURE

A superb mixture made up of over 75 species. There are no weedy cacti included. They are collected from our own plants many requiring hand pollination. Our cactus seed is not to be compared with other offered assortments for it is not made up of native weedy kinds. The very small seed contains some of the prettiest kinds as *Parodia*, *Rebutia*, *Notocactus*, etc. Put in two packets of fine and coarse seeds. The collection..... **\$1.00**

#### OLD MAN SEED

Our first offering of *Cephalocereus senilis* seed. This is not a mixture. A rare opportunity to grow your own white haired Old Man from Mexico. Test-germinated to assure viability. Instructions included. Packets 50c and \$1. Trade packet..... **\$2.50**

#### MIXED CHIN CACTI

The *Gymnocylindrus* are charming, bright flowered globular cacti from South America. Easily grown, many flower over the entire spring and summer. Almost all flower the second year. Per packet..... **50c**

#### STONE FACES MIXED

The Stone Faces or *Lithops* are the prizes of any collection. These handsome and entirely novel plants prove of interest to everyone. The seed germinates very quickly and easily. You will have seedlings within two weeks. After they are germinated put them in any airy, light window. About 100 seeds..... **50c**

#### NOTOCACTUS MIXED

*Notocacti* are all colorful spined plants with large blossoms. None are too large for the small window garden and all have stood 20° without cold damage. They are a diverse group, easily grown. Mixture contains Golden Ball, Silver Ball, Lemon Ball, Sun Cups, Indian Head over a dozen species. Package..... **50c**

#### CHOICE SUCCULENTS

A mixture containing many rare and interesting species of *Mesembrianthemums*, *Aloes*, *Anacampseros*, *Echeverias*, *Cotyledons*, *Crassulas*, etc. Seeds vary greatly in size. The tiniest dust-like ones are often the choicest ones. Sow with care..... **50c**

#### ACID PLANT-CHEM

Plant-Chem Acid Food. For acid loving plants. Good for Xmas Cacti, *Epiphyllums*, etc., where water is alkaline. 100 gallon package **60c**  
\$1.20. 40 gallon package.....

### CACTUS SUPPLIES

#### JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our re-cleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our potting soils for both seedling and specimen plants. 384 cu. inches..... **\$1.95**

(May be ordered separately postpaid)

115 cu. inches enough for 6-10 quarts of potting soil..... **75c**

#### HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart. Granulated..... **60c**

#### JOHNSON'S CACTUS SOIL

##### CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 ounces..... **60c**

Large Size, 26 ounces..... **\$1.00**

#### ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut. Full directions. Per package..... **60c**

#### PLASTIC LABELS

These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof India drawing ink has proven the best medium for permanent labeling.

3 1/2"x1 1/2". Plastic pot labels. Per 100..... **\$1.25**

4 1/2"x7/8". Large, shaped labels for outdoors or pots. Per 100..... **\$1.75**

### CACTUS INSECTICIDES

**ROTEX SPRAY.** A safe spray for all succulents and cacti. Non toxic to animals or humans. For Mealy Bug, Scale, Aphis, etc. Chart and instructions sent with each order. 2 oz. bottle..... **75c**

**45-20 Spray.** An all-purpose spray of malathion and chlordane. We find this the most effective control for difficult infestations of scale and mealy bug. 4 oz. bottle and instructions..... **\$1.60**

### SAND CULTURE for CACTI

One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment, for cactus roots when well fed enjoy spreading in the air filled sand.

#### VITAMIN B-1

##### JOHNSON'S OWN B1 TABLETS

For Use in Any Soil



Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable

to stimulate new root growth after transplanting. 75 Double Strength Tablets with Full instructions..... **75c**

#### PLANT-CHEM-SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a vigorous normal growth. Contains in scientific proportions the thirty chemicals needed in the growth of all plants.

40 gallon package..... **60c**

100 gallon package..... **\$1.20**



#### JOHNSON'S SAND CULTURE KIT — COLLECTION H 23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

FULL INSTRUCTIONS, 16-GALLON PACKAGE PLANT CHEM. 75 JOHNSON'S B1 TABLETS. 50c PACKAGE CACTUS FOOD..... **\$1.45**



# NEW AIR CARGO SERVICE TO ALL STATES EAST OF ROCKIES

3 DAYS  
AFTER PACKING!



**ALOE ARISTATA**

One of the very choicest small Aloes. Bears a great many closely set leaves with white pearly teeth and dots, each leaf terminated by a white awn. Remains small. Flowers red. A rare, elegant plant. Sandy soil. Nice. **50c**

## SUPPLIES

### FOR CACTI AND SUCCULENTS

Discount does not apply to supplies

Very few things are needed by the beginner in cactus culture but interest and a desire to form a collection. Loam for potting your plants may be found in field or woodland. Scrape off the litter and use the top 6" of soil. Sandy soils are best. Clean sand may be purchased from builders or pet stores. For the city dweller and more serious collector we are offering a few things that may make their culture easier. The supplies we offer are those we ourselves use.

## JOHNSON'S JUNGLE MIX

A new type of cactus compost for epiphytic cacti which prefer a very open, porous type. Plants develop a vigorous, extensive root system seldom seen in other composts. Expressly for Xmas Cactus, Easter Cactus, Rhipsalis, Chiapas, Selenicereus and all epiphytes. It is also unexcelled for rooting all cacti and succulent cuttings. It may be easily modified into the finest potting soils you ever used for Philodendrons, Begonias, African Violets and all tropical house plants. It should be kept much more moist than old style composts as it dries rapidly. Full instructions for use or modification.

Per bag 120 cubic inches (with orders).....**75c**  
6 quart box. Postage free.....**\$2.00**  
West of Mississippi River \$1.75

## JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base the ingredients of which are blended and proportioned to help your plants make normal, matured flowering growth. It should be scattered over the soil, a level teaspoonful to a 4-inch pot, two or three times during the growing season after the plants are well established. Use only during the growing season. Light applications once a month are more effective than heavy applications.

12 ounce bag..... **50c**  
2 pound bag..... **\$1.00**

## OUR SPECIAL CACTUS LEAFMOLD

A cleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

115 cu. inches enough to make **75c**  
6-10 qts. potting soil.....

## FOREIGN SHIPMENTS

We are equipped to handle overseas shipments. If interested write for particulars.

## CACTUS HELPS

### COLLECTION \$ 100

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Johnson's Jungle Mix.  
Johnson's Cactus Food.  
Johnson's Cactus Soil Conditioner.  
Quart of Cactus Hardwood Charcoal.  
20 double strength B. tablets.  
50 Plant Labels.

Items to Make Cactus Growing **\$3.50**  
Easy. Postpaid

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## NOT INCLUDING ALASKA OR HAWAII \$50 FREE INSURANCE

Orders will be picked up daily at our nursery and placed aboard a plane that same evening to be delivered to the major airport nearest to you within 24 hours. It is then shipped to your door by parcel post, to arrive within 3 days after packing—the plants as fresh as though you had just selected them at our nursery!

## TERMS

### FOR AIR CARGO SERVICE

\$5 or more, include 60c additional.

\$10 or more take 10% discount and add 60c.

Less than \$5 add \$1.35 extra for handling and Air Cargo charges.

**CUSTOMERS IN THE FOLLOWING STATES:** Washington, Oregon, California, Arizona, Nevada, Utah, Idaho, Montana, Wyoming, Colorado, New Mexico, Hawaii, and Alaska please see our terms for parcel post shipment below. Proximity makes it impractical to ship by Air Cargo to those states mentioned and there is no Air Cargo service to Alaska and Hawaii. **\$50 Free Insurance** for all Air Cargo shipments. Report loss or damage to us within 10 days.

## TERMS

### FOR PARCEL POST

**\$5.00 or more** sent postage and handling free.

Less than \$5 add \$1 extra to cover packing and postage costs.

**\$10 orders** sent for \$9. Over \$10 take 10% discount.

No C.O.D. orders accepted.

## WHEN TO ORDER

**CACTI** may be shipped to cold regions from about March 15 to December 1 depending upon weather conditions in your section. Washington, Oregon, California, Arizona, New Mexico, Texas anytime except when mails are crowded during Xmas.

**SUCCULENT PLANTS** from pages 2 to 12 we guarantee safe delivery from March 15 to June 15 and from September 1 to December 1. During the heat of summer succulents may lose their leaves during shipment and are shipped at customer's risk only. They may be safely shipped by air cargo.

**OUR GUARANTEE** is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once we will give credit for all damaged items to be replaced with your next order.

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<b>T</b>	<b>Z</b>
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# Johnson Cactus Gardens

PARAMOUNT, CALIFORNIA

1961

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A series of small folders in which I have described the general cultivation of special groups of Succulents, etc.

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### CACTUS and SUCCULENT SOCIETY OF AMERICA

Everyone is invited to join the Society and to receive this splendidly illustrated magazine. It has many articles on new plants, stories on exploration trips to new localities, articles on culture, news of affiliated Cactus Clubs in every region of the U. S. Everyone interested in Cacti and Succulents will continue to find this a most interesting magazine.

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# MAMILLARIAS



## ROSE PINCUSHION

The bright and charming *Mamillaria zeilmanniana* is one of my prime favorites. It is a very heavy bloomer and remains in flower several weeks. Even tiny plants always flower. Sun or partial shade. Nice flowering size. **50c**

## GENERAL LISTING

- Mamillaria albescentis*. Flexible white spines. Clustering species similar to Bird's Nest.....**60c**  
*M. albicoma*. Silky white haired, spineless. Clustering species. Rare, very charming plant.....**\$1**  
*M. aurhamata*. Similar to Powder Puff but with long pale yellow centrals.....**75c**  
*M. brandegii*. Rare. Baja California.....**\$1**  
*M. bravoae*. A beautiful species with white wool produced at the crown.....**68c**  
*M. brauneana*. White short spines, red violet flowers from tufts of wool.....**75c**  
*M. bullardiana*. White flowers. Columnar. Rare.....**\$1**  
*M. bombycina*. Small.....**75c**  
*M. bucareliensis*. Clustering. 1".....**50c**  
*M. camptotricha*. Bird's Nest. 2"-2½" Cluster.....**\$1**  
 Small.....**50c**  
*M. carnea*. Flesh pink flowers. Small.....**75c**  
*M. celisana*. Fine pale yellow spined plant. Small.....**75c**  
*M. chionocephala*. Handsome white spined. Deep red flowers scarlet fruit. Specimens 2"-3".....**\$1.25**  
 Small.....**60c**  
*M. columbiana*. (*M. bogotensis*) Rare S. American species. Very pretty.....**\$1**  
*M. compressa*. Mother of Hundreds. Small.....**60c**  
*M. coronaria*. White spines.....**50c**

## MEXICAN JEWEL COLLECTION J25

These four pretty and easily grown Pincushions may be planted in individual 2 or 3 inch pots or may all be planted together in a small ornamental dish 4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set for only **\$1.45**

### POWDER PUFF (*Mamillaria bocasana*)

Like a bursting cotton boll this little plant is clothed with silky snow-white hair, bears creamy flowers which are followed in late spring with inch long brilliant red, curved seed pods. A jewel among cacti. Flowering size. **50c**

## OR PINCUSHION CACTI

For window gardens no other group excels the lovely Pincushion Cacti. They are easy to grow and to flower and always present a cheerful appearance. There is an infinite variety of them and most may be grown to flowering size in a 3" pot.

**Culture.** Most *Mamillarias* require no special care and thrive in a silt loam soil or a loam with some sand and leafmold added. If the loam is sticky use lots of clean sand (40 to 60 screen) and charcoal. Give them a sunny location in the window and lots of fresh air whenever possible. Water lightly. In moist regions never saturate cacti. The soil should dry out in 5 to 7 days. When transplanted keep on the very dry side for some weeks till fresh roots form.

- M. collinsii*. A pretty species becoming bronzy green or dark purple in full sun. Branching freely, forming clusters. Flower petals yellowish with rose midline.....**60c**  
*M. dealbata*. See p. 22  
*M. echinaria*. Clustered yellow spined species with strong central spine. Keep on dry side. Clusters.....**\$1**  
*M. elongata* var *Autumn*. A variety with reddish spines. Makes a lovely specimen.....**50c**  
*M. elongata* Pink Nymph. See above.  
*M. elongata schmollii*. Lady Fingers.....**50c**  
*M. elongata tenuis*. A favorite. Slender.....**50c**  
*M. elongata rufrocrea*. Reddish spined.....**50c**  
*M. elegans* var. *schmollii nigripina*. A form with handsome jet-black centrals. One of the prettiest species, slender and clustering. Very neat appearing. 4" clusters **\$3.50**  
 2"-3".....**\$2.50**  
*M. erythroserma*. Pink flowers. Clustering.....**60c**  
*M. formosa*. White spines. Bright pink flowers. Branches with age.....**60c**  
*M. galeottii*. (*M. tetraacantha* var. *galeottii*). Flexuous yellow spines.....**50c**  
*M. geminispina*. Handsome, long white spined clustering plant. Beautiful, rare. 2½".....**\$1.25**  
*M. kewensis*. Bright ruby red flowers in summer. Easy to grow.....**50c**  
*M. longicoma*.....**75c**  
*M. lasiacantha*. A small globose species with dense white spines, white flowers, bright scarlet fruit. Mature flowering plants 1½"-2".....**75c**  
*M. martinezii*. A form of *M. albilanata*. Small.....**50c**  
*M. mazatlanensis*. Rare columnar species.....**75c**  
*M. microheliopsis*. A pretty yellow spined species.....**50c**



## MAM. PINK NYMPH

A beautiful pink flowered hybrid of our selection. This handsome free-flowering plant has pale yellow radial spines and soon forms a nice cluster. Very free flowering, flowering with us during May-June over a period of 4-6 weeks. You will enjoy this beauty..... **57c**

- M. multiceps*. Grape Cactus. A miniature, branching with many pups.....**45c**  
*M. mystax*. Rose purple flowers. 2"-3".....**\$1.85**  
 Small.....**50c**  
*M. neopotosina*. Short yellow spines, globular plant.....**60c**

## JOHNSON'S CACTUS FOOD

A fertilizer especially suited for all succulent plants. Most of the ingredients are of organic base. Light applications monthly will insure sturdy growth.

- 12 oz. bag.....**50c**  
 2 lb. bag.....**\$1**



## CORAL CACTUS

*Mamillaria heyderi* is one of the prettiest with its circle of coral-red berries and charming cream flowers. The berries burst forth red and ripe taking only a few days to appear. **75c**

Mature 2"-3" specimens.....

### LADY FINGER

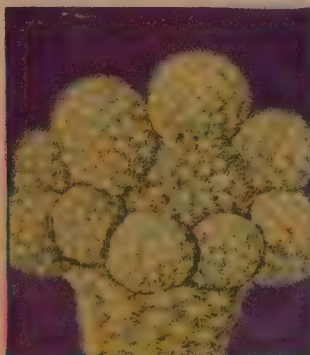
An old favorite, *Mamillaria elongata schmollii* has harmless bright yellow, rayed spines. A dainty gem..... **50c**

### THIMBLE CACTUS

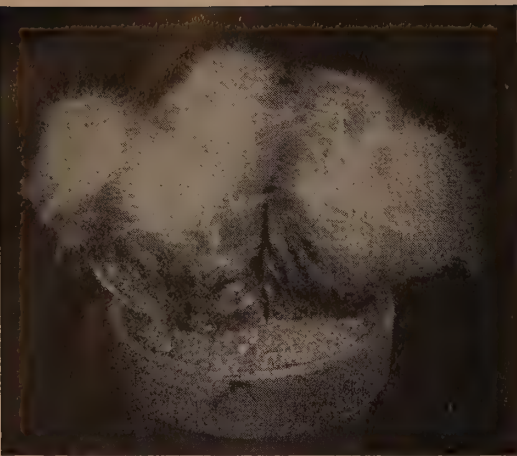
Like the Old Lady Who Lived in a Shoe *Mamillaria fragilis* produces many offspring. Harmless white spines. Nice plants..... **40c**

### RUBY DUMPLING

Early flowering, quick growing small *Mamillaria* with bright red blossoms. Easily grown. Each..... **50c**







#### OLD LADY CACTUS

Mamillaria hahniana is a favorite. Old plants are covered with long white hairs. It is lovely in the fall and winter when the bright red blossoms form a ring about the crown, each embedded in white wool. It flowers with us even in freezing temperatures. Easy to grow in a sunny, airy location. 3" \$2.50, 2" flowering \$1. Small.....

**50c**



#### GOLDEN STARS

The popular bright spined Mamillaria elongata should be one of the first plants acquired by beginners. The form we offer is much larger than usual and quickly form a cluster. Sun or part shade. Of easiest culture. Nice plants beginning to branch.....

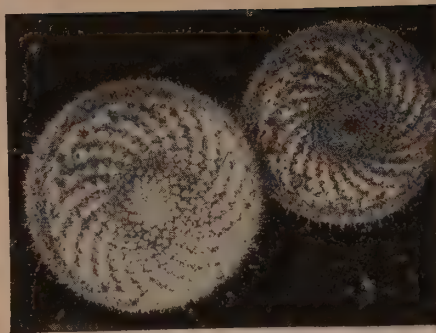
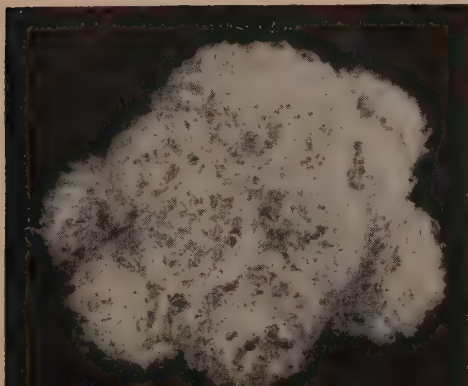
**50c**

- M. nejapensis.** An attractive new species with white centrals and few radial spines.....**50c**
- M. pfeifferi.** Yellow spines. Small..... **50c**
- M. polyedra.** A distinct species, globular to cylindrical, flowers pink. 2".....**\$1**
- M. pringlei.** A beautiful gold-yellow spined species. Spines flexible, very long, curling. Bright red flowers. Large 6 years old specimens.....**\$3**
- M. pringlei columnaris.** Pale yellow with shorter spines. Handsome 1".....**50c**

#### FEATHER CACTUS

A beautiful plant. Virtually spineless, having instead soft silky white plumes. Slowly forming dense clusters, Mamillaria plumosa makes handsome, unique specimens. Easily grown in clean sand with a little leafmold added. Bright, airy situation protected from the noonday sun. 1"-1 1/4".....

**50c**



#### DIADEM CACTUS

Flowering in midwinter, Mamillaria wendermanniana bears a crown of bright carmine flowers nestling amongst the white wool and darker spines. Don't fail to have this beauty for it always attracts attention. Large 1 1/2"-2".....

**50c**

- M. pyrrocephala.** Flame Pincushion. Deep green columnar plant bearing bright red flowers. Winter flowering. Very attractive, long flowering period. Small 1".....**50c**
- M. rhodantha.** Rainbow Pincushion. Very variable species, spines yellow to red.....**50c**
- M. ritteriana.** Uncommon species from Coahuila, Mexico. Large 3"-5".....**\$1.50**
- M. ruestii.** A rare and beautiful species from Honduras and Guatemala. 1".....**75c**
- M. sartorii.** Cranberry Cactus. Flattened globular species. Red flowers, bright red fruit. 1"-1 1/2".....**60c**
- M. sempervivi.** Distinct species, short conical nipples, flattened globular shape. 2 1/2"-3".....**\$1**
- M. sphacelata.** Short cylindric body, grey-white spines. 3"-5" clusters.....**\$4.50**
- M. surculosa.** Small clustering species, hooked spines, yellow flowers. Tuberous roots. Pretty.....**50c**
- M. woodsii.** A fine flattened-globular species with deep red flowers embedded in soft white wool. Jet-black spines. Rare collector's item. 1".....**60c**
- M. vaupelii.** Vaupel's Pincushion. A handsome species with reddish central spines and white radials. Flowers dark pink or red. 2"-3".....**75c** and .....**\$1**
- M. vierickii.** Rare species. 1".....**\$1**
- M. viperina.** Similar to elongata, but with long slender body, close-set yellow spines. Rare.....**75c**
- M. waltheri.** (M. hemisphaerica var. waltheri). Flattened globular body 1 1/2".....**75c**
- M. zuccariniana.** A rare, large growing species. 1".....**75c**

#### CORYPHANTHA

- A large group related to Mamillaria generally with much larger flowers, the nipples grooved. Culture as for Mamillaria but larger pots are usually needed to accommodate the larger roots.
- Coryphantha andreae.** Large, broadly conical nipples, yellow blossoms 1 1/2" diameter. Produces many offsets on nipples. Each.....**75c**
- C. clava.** Tall growing with long nipples, white spines. Flowers pale yellow. Vigorous plants with tuberous roots. Small 1".....**60c**
- C. georgii.** Small species with cream flowers. Long nipples.....**60c**
- C. radians.** Fine species with thick globular stem, yellow flowers. 2".....**\$1**
- C. runyonii.** Large taproot. Purple flowers. 1".....**\$1.25**

#### ESCOBARIA

- Cylindric or globose, usually branching. Spines straight, never hooked as in Coryphantha to which they are related. Texas and Mexico.
- Escobaria tuberculosa.** Cylindric or conical plants to 6", dense white spines, light pink flowers. Mature flowering plants.....**\$1**

#### SOLISIA

- Like a small Mamillaria. Plant in clean sand (no silt) with 1/2" leafmold. Water sparingly.
- Solisia pectinata.** A small plant 1/2" to 1" across with minute nipples and very fine white spines covering the plant. Quite rare. A collector's item. Each.....**\$2.50**

#### CACTUS MAGAZINE

See p. 17 for full particulars



#### MAMILLARIA DEALBATA

A quick growing, clustering Pincushion with pure white spines. Blossoms bright red followed by long scarlet fruits. Easily grown in a sunny window with moderate watering. Clusters \$2.50. Nice, 3 years old flowering size.....

**50c**



#### MAMILLARIA BRAVOAE

Beautiful species with white spines the centrals short, black tipped. At flowering the crown is filled with white wool in which the deep pink flowers are set. Plants mostly solitary. Give them a sunny location and moderate watering. 1"-1 1/4".....

**68c**

#### CACTUS AND SUCCULENTS AND HOW TO GROW THEM

69 page booklet well illustrated on the culture of both Cacti and Succulents. Plain information on the care of your plants.....

**50c**

#### CACTI by J. BORG

A 488 page book describing 1,500 kinds of cacti. 129 pictured. Culture etc. Postpaid.....

**\$7.75**

#### MAMILLARIA BAUMII

This pretty Pincushion has glossy yellow flowers up to 1" across produced during summer. The plants have almost tuberous roots and very pale yellow harmless spines. A slow growing species with heads an inch in diameter. Closely clustered. Each.....

**75c**





# SPECIMEN CACTI & SUCCULENTS



**MOTHER OF HUNDREDS**

A variable species, *Mamillaria compressa* comes long spined, short spined, etc., but all are beautiful clusters. A native of Mexico requiring full sun, rich porous loam and moderate watering during summer. 6"-8" clusters \$12.50, 12"-14" clusters \$25.

All plants pictured or listed on this page are shipped F.O.B. Paramount, Calif., only. Railway Express or truck are the only practical methods of shipment. Bulk, weight, and handling of larger plants prohibits shipment by Parcel Post. Our 10% discount does not apply to items on this page. These plants require special packing and in some cases wooden crates.



**FIRE BARREL**

Brilliant red and yellow spined barrels. *Ferocactus acanthodes*. These are perfect specimens. 4" \$3, 6" \$4.50, 8" \$7.

- Euphorbia ingens*. 3' specimens.....\$8
- Elkhorn Euphorbia*. *Euphorbia lactea cristata*. 18"-24". Well branched specimens.....\$35
- Aloe bainesii*. Specimens with well developed trunks.....\$25
- Euphorbia excelsa*. Well branched 2'.....\$25
- Euphorbia neriifolia*. An E. Indian species. Tufts of 3" leaves at branch tips. 18".....\$12.50
- Euphorbia similis*. So far as we can determine, this is the mature form of *E. ingens*. Fine specimens 18", \$8; 3'-4'.....\$20
- Hercules Club*. *Euphorbia canariensis*. See our photo. 1 1/2' - 2'.....\$8.50
- Agave Cactus*. *Leuchtenbergia principis*. Imported flowering specimens. 10" diam., 4" trunk. 10-20 years.....\$10
- Cowhorn Euphorbia*. *E. grandicornis*. See our color photo. 1 1/2' - 2'.....\$12.50
- Euphorbia franckiana*. A rare species from S. Africa. Well branched, 12".....\$12.50
- Euphorbia hermentiana*. See our photo. 3'-4' well branched specimens.....\$16.50

## AFRICAN MILK BARREL

*Euphorbia horrida* makes a striking specimen plant. The stem is slate-blue, ribbed, and heavily spined. It branches quite freely from the base, becoming columnar only with age. There are a number of varieties extant, but ours is the species form. A slow growing succulent from Cape Province, S. Africa. Does best in full sun, light porous loam, watering when dry. A very few, extra-choice specimens 12" tall, over 15 years old, at \$35. Some 4" at.....\$5



**GOLDEN BARREL**

*Echinocactus grusonii* in larger sizes will always remain one of the choicest specimen plants available. Almost perfectly globe shaped, dark green stem, covered with interlaced glistening yellow spines. Magnificent! The crown is heavily felted with white wool. Only older mature plants produce the yellow flowers. In seedlings the ribs are divided into conical warts (like mamillaria) but as the plant matures they become straight and continuous. Seldom, if ever, branching. A native of Central Mexico preferring full sun, a very well drained sandy soil or loam, watering only when dry. Be especially careful about overwatering indoors. **WE HAVE 1 1/2"-2" PLANTS AVAILABLE AT \$1.** (This size only may be ordered on Postpaid basis). 8" diam., over 2' in circumference at \$16.50; a few glorious specimens at 18" diameter or almost 4 1/2' circumference! at \$65.

- Old Lady*. *Mamillaria hahniana*. A well known old favorite. 5" diam.....\$7.50
- Silver Ball*. *Notocactus scopii*. See our color photo. 3" specimens.....\$3.50
- Idria columnaris*. The Boogum Tree of Baja Calif. Extremely rare. Small plants \$7.50 and.....\$12.50
- Agave filifera*. Attractive, well developed specimens. 12" diam.....\$8.50
- Wax Vine*. *Hoya carnosa*. The well known succulent vine. Flowering specimens on trellises 10' pots.....\$20
- Agave attenuata*. 18"-24" specimens.....\$20
- Yucca aloifolia*. Spanish Bayonet, 3' specimens.....\$12.50
- Yucca aloifolia marginata*. An attractive variegated form. Fine 3' specimens.....\$15
- Yucca elephantipes* (*Y. gigantea*). Leaves up to 3' long, 3" broad. 3' specimens.....\$12.50
- Yucca recurvifolia* (*Y. pendula*). Branching trunk, glaucous-blue leaves to 2" wide. 3'.....\$12.50
- Ocotillo*. *Fouquieria splendens*. 4'-6' specimens available on request.....\$25 and up

## PARAMOUNT HYBRIDS

We have a number of unnamed hybrids in our Paramount series that are of specimen sizes. We cannot supply these in specific colors or hybrids. Large plants produce 30 or more flowers at one time. They are easily grown in any sunny window with good rich loam. 3"-4" clustered specimens available at \$5 each.



- Fishhook Barrel*. *Ferocactus latispinus*. Flattened globes with broad recurved, red spines. Purple flowers. 4"-5" diameter.....\$7.50
- Pincushion Clusters*. Various *Mamillaria* species. We cannot furnish these as specific species; selected plants only. Mostly white mams, clustered at.....\$12.50
- Trichocereus terscheckii*. The Cardon Grande of Argentina. A strong stemmed plant with spine clusters broadly spaced. White flowers at maturity. Choice 12"-15" specimens.....\$15
- Suhvaro*, also *Suguro*. *Carnegiea gigantea*. The Arizona giant well known to anyone who has visited or seen photos of our southwestern deserts. Fine 3'-4' specimens.....\$75
- Echinocereus engelmannii*. A variable species native to our southwestern deserts, appearing in many different spine forms, but always with large, lavender flowers. Full sun, sand. **Large clusters**.....\$12.50
- Star Cactus*. *Astrophytum ornatum*. Handsome 6" tall, 4" diam. specimens at.....\$8.50
- Echinocactus ingens*. Blue stem, dark spines. 4" diam.....\$5
- Bishop Cap*. *Astrophytum myriostigma*. See color photo this catalog. 4" diam.....\$8.50
- CRESTED HEDGE HOG CACTUS**. *Echinopsis multiplex cristata*. Crested cacti are the beauties and curiosities of the plant world. The growth is fan-shaped or ruffled and slowly forms fluted piles. We have a few available with 6" spread at \$8.50, some larger 12"-18" at \$30.
- Old Man of the Andes**. *Oreocereus celsianus*. Glorious specimens with long silky-white hair, brick-red spines. Single columns, branching only with age. Rare, choice. 12"-14" beauties at.....\$16.50
- Peruvian Old Man**. *Espostoa lanata*. Snowy-white, slender, columnar plants. The wool is dense and cobwebbed. Very light yellow spines. The plants we offer are just beginning to branch. 20" plants at.....\$12.50
- Cleistocactus hyalacanthus*. Similar in shape and habit to *C. strausii*. Stem densely clothed with snow-white glossy spines. Branching from the base, flowering in midsummer with tubular, dark red flowers. Always a favorite at our nursery. **Beautiful 3' specimens at**.....\$22.50
- Golden Ball**. *Notocactus leninghausii*. The plants we offer here are rarely seen branching specimens, flowering size. Soft, harmless golden spines. 15" clustered specimens at.....\$15
- Ruby Easterlily**. *Echinopsis kermessina*. Since our color picture accurately portrays this beauty, words are superfluous. Globe-shaped ruby red blossoms. 6" diameter specimens.....\$7.50
- Mamillaria celsiana*. A beautiful clustering species well known to fanciers. **Beautiful 4" diam. specimens**.....\$6.50
- Goat's Horn**. *Astrophytum capricorne*. Curling spines, ribbed, large yellow flowers with cherry center. Only 4" diam. specimens available at \$8.50
- Snowball Cactus**. *Pseudoespostoa melanostele*. Like tufts of cotton-candy. Approx. 8" specimens at \$5



# FASCINATING BARREL CACTI

OR

## ECHINOCACTUS

This large section of cacti has been split into many groups called genera. Mostly they are bulb or barrel shaped only growing columnar with great age. Some of the cacti listed here are more closely related to the cerei but due to their shape and culture are included for convenience. They vary greatly in many ways. Some are tiny plants, marble size, others may be several feet tall and two feet through at maturity. They are found in either North or South America from Washington to Patagonia. Few of the genera are found on both continents. The North American genera include the true Barrel Cacti i.e. Echinocactus and Ferocactus and such others as Astrophytum, Ariocarpus, Leuchtenbergia, Hamatocactus, Anicistrocactus, etc. South America abounds in them having many beautiful kinds as Notocactus, Gymnocalycium, Neoporteria, Islaya, Oroya, etc. Among both North and South American kinds are many smaller less known genera many of which you will find listed here. They are just as distinctive as the larger genera. Almost all the kinds have the ribbed stems. Since during the rainy season they must store a large amount of water this accidian effect allows them to swell up without bursting. The water is usually stored as a mucilaginous sap which the plant can draw upon during periods of drought. A few are found on hot sandy deserts but a great many are native to mountainous regions in brushlands or dry forests. Some of the Andean species grow at almost 15,000 feet.

### SCARLET BALL

Flowering when small, 1 1/2"-2" diameter, Notocactus haselbergii makes handsome specimens 4" across. The bristle-like spines are harmless. A rich porous soil, moderate watering, and sunny or partly sunny location suits it. A scarce cactus. Easy to grow and flower. Nice 3-year old plants 1 1/2" \$1.25. 1"-1 1/2" **90c**



### SILVER BALL

Silvery bristle-like spines completely clothe this beauty. Often tinged red in full sun, contrasting beautifully with yellow flowers borne in mid-summer. Notocactus scopa needs only a porous loam, sun and moderate watering to reach perfection. Each **50c**



### RED CROWN

So easily grown and flowering for everyone, Rebutia minuscula forms charming small clusters, each head encircled by scores of babies each one blooming when mature enough. During spring flowers appear almost continuously over many weeks. Flowering **50c**

### RAINBOW CACTUS

Often flowering when only an inch tall, Echinocereus melanocentrus is one of the easiest cacti to flower. Blossoms always larger than the plant. Of the easiest culture liking a sunny window, moderate watering, porous soil. Hardy. Nice 1 1/2"-2" **50c**

## ECHINOMASTUS

Mexican and S. Western cacti from very dry regions and generally very heavily spined. Plants conical, the ribs tubercled. Grow in a very sandy compost, full sun, very moderate watering.

*Enchinomastus macdowellii*. Purple flowers. Handsome white, glossy spines. Beautiful specimens! Mature, **\$2.50**  
flowering imports.....

## CACTI by J. BORG

A 488 page book describing 1,500 kinds of cacti. 129 pictured. Culture, etc. Post-paid **\$7.75**



### PINK EASTERLILY

A free flowering, quick growing cactus, winter hardy when well protected by snow. Echinopsis multiplex bears 6" lovely pink trumpets. Fragrant. Will flower several times during summer. Sun or part shade with generous culture. Flowering specimens **\$1.50**,  
small 1"-1 1/2" **50c**



### BUTTON CACTUS

Harmless white bristly spines. Epithelantha micromeris is a real collector's item. Grow in clean sand (no silt) with 1/4 humus, or leafmold, watering when dry. We have a limited quantity of beautiful specimen clusters 3"-4" across this year at \$3.50 and \$4.50 each. **75c**  
Single heads 1".....

### GOLDEN BALL

A lovely cactus with glittering golden, harmless bristles. Notocactus leninghausii is fine for the window garden. Of the easiest culture. 4" specimens **\$1.75**, 2"-3" **\$1**.  
Small..... **50c**







#### GOLDEN EASTERLILY

Easily flowered, even when small, *Lobivia aurea* is a highly satisfactory plant. Bright golden trumpet-shaped flowers. Give full sun and moderate watering to this vigorous grower. Use cactus food for best blossoms. Flowering \$1.25.

Nice..... 50c

#### ASTROPHYTUM

Very satisfactory plants growing under many kinds of treatment. They need an open sandy soil and a sunny, airy location. Will stand temperatures to 15° above zero. Water only when dry.

*Astrophytum capricorne* ..... 65c

*A. ornatum mirbellii*. Whiter variety. Small 1" 75c

#### COCHEMIEA

A fine group with scarlet flowers, cylindrical stems, usually clustering. All species from Baja California. Rare and choice.

*Cochemia poselgeri*. Stems up to 12" long, the tubercles with hooked spines. 3"-5" ..... \$1

*Cochemia setispina*. White, hooked spines. Small ..... \$1

#### CULTURE

Most of the *Echinocactus* group require the same general care. They like an open porous soil through which surplus water quickly drains away. The compost should not be composed of fine clay-like particles. Some coarse material such as charcoal, gravel, spongerock (perlite), peatmoss etc., will help to keep the compost open. Open composts allow free penetration of air to the roots. Under these conditions rot becomes unlikely if plants are kept a little on the dry side. A good soil compost is composed of 1 part crumbly loam, 1 part clean sand and 1/2 to 1 part coarse leafmold or peatmoss to which may be added some perlite or coarse granulated charcoal. Every fancier has his own special mix so you may vary your composts to meet your own needs or limitations as the plants will thrive under many different conditions.

**LIGHT.** The plants prefer a sunny location or window or at least a very light situation. In dark places they cannot be expected to flower though they will live.

**WATERING.** Water moderately at all times. Let them dry out between waterings. Remember they come from dry regions. Give more water in summer.



#### MEXICAN LIVING ROCK

Completely spineless with the crown flattened into a rosette, mimicking the rocks amongst which it grows. Rare, strange *Ariocarpus fissuratus* has exquisite rose colored flowers that arise from a center crowded with white wool. Plant in clean sand with 1/4 humus, give plenty of light and a long winter rest. Water only when dry. Grows very slowly. Mature flowering plants. Large specimens, \$1.50. 2"-3" flowering..... \$1

#### ARIOCARPUS

Thornless Mexican plants bearing hard tubercles and white or violet pink blossoms. Rare show plants. All our plants are mature flowering specimens. Extremely slow growing. Pot in sand with some leafmold added. Need a sunny, airy location, watering only when quite dry.

*Ariocarpus fissuratus*. See above.

*A. furfuraceus*. A fine large species, silver-green in color with large tubercles set in much wool. Large flowering imports ..... \$3.50

*A. kotschoubeyanus*. See photo p. 30.

*A. maddowii*. The smallest species. Handsome violet pink blossoms..... \$1.35

*A. retusus*. See photo p. 27.

*A. trigonus*. A large species with long, triangular tubercles. Plants may reach 8" in diameter. Each ..... \$2.50

*A. lloydii*. Similar to *A. fissuratus*, but having larger tubercles. Handsome specimen..... \$1.75

#### COPIAPOA

Globe shaped or conical cacti from Chile. Usually solitary but sometimes forming clumps. Flowers yellow. Rare in collections.

*Copiapoa humilis*. Body brown with black spines. Forms clusters ..... \$1

#### MALACOCARPUS

These fine vigorous cacti are native to Argentina, Brazil and Uruguay. They are simple, flattened globes, woolly at the apex and with sharp ribs. The blossoms are large, bright yellow. Give them a rich, porous soil, sunny location, moderate watering.

*Malacocarpus corynodes*. Small..... 75c

*M. erinaceus*. Small ..... 75c

*M. pauciaristatus* ..... 75c

*M. vorwerkianus*. Small species from Columbia..... 75c

*M. vorwerkianus hennisii* ..... 75c



#### HARDY HEDGE HOG

We are unable to supply the pink-flowered Frilled Lace Cactus (pictured above) this year, but are substituting *Echinocereus dasyacanthus* with large yellow flowered (see p. 34). Mature flowering plants..... 75c



#### WHITE CHIN CACTUS

Should be in every collection. A real spiny plant with black, curved spines. Charming white blossoms in June. *Gymnocalycium schickendantzii* is easily grown, sandy loam, moderate watering, sun. Nice plants..... 50c



#### LEMON BALL

*Notocactus mammulosus* is a must for the beginner. Stands lots of cold. Rich porous soil, moderate waterings. Mature blooming 3 years \$1, 2 year..... 50c



#### GLORY OF TEXAS

Gorgeous crepelike brilliant pink blossom 2"-2 1/2" across. Our plants are all mature flowering specimens with dormant flower buds. *Thelocactus bicolor* likes light soil or sand with leafmold, moderate water..... 75c ing. Nice 2" flowering..... \$1 Specimens ..... \$1

**QUARTET Collection J26. Four Fine Flowering Cacti..... \$1.98**





#### CHILEAN OLD LADY

Long white interlaced bristles completely clothe this beauty. One of the loveliest cacti in existence. In early summer exquisite rose-pink blossoms appear at the crown. Flowering earliest when grafted on White Torch. Give a rich porous soil, watering when dry. *Neoporteria senilis*.  
4 year old plants.....

**\$1.35**

#### ECHINOCEREUS

The flowers of *Echinocereus* are large and brightly colored red, purple, pink or yellow. Appear during midsummer and often last several days. Solitary or finger-clustered plants 4"-12" tall. Some are winter hardy. Rich porous soil, sunny location, moderate watering.

- E. cinerascens*. Violet red flowers.....75c
- E. fendleri*. Pink. Hardy. Small.....50c
- E. melanocentrus*. Rainbow Cactus. Photo p. 24
- E. merkeri*. Violet red.....75c
- E. papillosus*. Yellow and red flowers.....75c
- E. pensilis*. Red. Rare. To 3 ft.....\$1
- E. pentaloophus*. Hedge Hog Cereus. p. 33
- E. saim-dyckianus*. Red.....75c
- E. sarrisophorus*. Purple Hedge Hog Cereus. p. 34

#### OPUNTIA ASSORTMENT

##### COLLECTION J10

**5** pretty dwarf *Opuntias* for the window garden including such plants as Angel Wings, Thimble Tuna, Bunny Ears, etc.  
Unlabelled.....

**\$1.60**

#### WINTER HARDY PRICKLY PEARS

##### COLLECTION J11

**6** hardy *Opuntias* from Canada, Wyoming, Wisconsin, New York, Texas, and Colorado. Small species for Rock Gardens.....

**\$2.50**

#### STAR CACTUS

Stem covered with silvery scales, ribs often whorled, golden spines. *Astrophytum ornatum* is globe-shaped to columnar, with yellow flowers. An old favorite of easy culture that should be in every collection. Grows freely in a sunny location, with moderate watering.

Large 4"-6" tall, \$2.25. Small.....

**50c**



#### CRESTED OPUNTIA

Crested or cristate forms are among the most interesting of all with their odd convoluted stems. *Opuntia serpentina cristata* is among the easiest to grow. Nice small  
crests.....

**75c**



#### ROSE EASTERLILY

Lovely rose-pink trumpet-shaped flowers, each petal striped with darker rose. Flowers 5" across on a plant only 3"-4" across. Short blunt spines. *Echinopsis grandiflora* is among the easiest to grow. Small.....

**75c**

#### NEOPORTERIA

Many commence their flowering season in November and continue until February with bright pink flowers. Others are spring flowering. Conical ribbed plants from 2"-8" tall native to Chile. Give them a rich porous soil moderate watering and a sunny position.

- N. atrispinosa*. A curious species with almost black spines. Flowering from November on. Dark pink. Small 1" Each.....60c
- N. castanioides*. Fall blooming. Pink. Small.....\$1
- N. heteracantha*. Deep pink blossoms in the fall. Small 1"-2".....75c
- N. mamillarioides*. Light pink flowers. Small.....75c
- N. senilis*. See above.



#### SOEHRENSIA KORETHROIDES

Handsome red flowers clothed in wool (also *Eriosyce korethroides*). A barrel type from Northern Argentina reaching 10" in diameter. Easily grown. Small 1 1/2"-2".....

**75c**



#### EAGLE CLAWS

*Echinocactus horizontalis* produces cottony buds opening into radiant pink blossoms with crepe-like petals. Bluish-grey stem, stout recurved spines. Clean sand, 1/2 humus, full sun, watering when dry. Mature flowering plants, \$1  
and.....

**75c**

#### ECHINOPSIS

##### EASTER LILY CACTUS

Favorites because they flower for everyone and the blossoms are large and colorful. Vigorous rooted plants, fine for pot culture or for planting out where temperatures don't get below 24° above zero. Give them a rich porous soil a sunny location and moderate waterings.

- E. eyriesii rosea*. True. Handsome huge pink blossoms. Nice .....75c
- E. ferox*. (Lobivia). Black spined.....65c
- E. grandiflora*. Rose easterlily. At left.....75c
- E. hamatacantha*. Pygmy Easterlily. Very free flowering mountain species. White. Flowering specimens, \$1.25. Small.....65c
- E. Johnson's Hybrid*. Grand pink flowers.....75c
- E. kermessina*. Ruby Easterlily. p. 28.
- E. leucantha*. Lilac Easterlily. White and ivory petals. 3"-5", \$1. Small 1".....50c
- E. Los Angeles*. Deep green body. Very short harmless spines. Pink flowers. See photo p. 27. Choice .....75c
- E. ritteri*. Giant Easterlily. A huge species to 6" across. Dazzling white flowers. Nice 2"-3" specimens .....\$2.50
- E. multiplex*. Pink Easterlily. See color pic. p. 24.
- E. schwantesii* .....65c
- E. torrecillacensis*. Small sp. 1/2"-1".....60c
- E. tubiflora*. New Argentine import.....75c
- E. tucumanensis*. Clustering. White .....75c

#### FRAILEA

Very small cacti, all miniatures, from S. America (Paraguay and Argentina). Attractive, clustering freely. Flowers small, usually yellow.  
*F. dadakii*. Brown-yellow spines .....85c  
*F. pseudopulcherrima*. Green stem, 65c; *F. schliniskyana*. Dark green, almost black body, 85c; *F. Pumila*, 65c; *F. gracillima*. Slender columnar, 85c.



#### LOBIVIA PAUCARTAMBENSIS

Dark flexible spines, globose body with many clustering babies. Ruby-red blossoms appear during summer and fall. Give full sun and moderate watering. A choice introduction of ours  
from Peru. Nice plants.....

**50c**





#### ARIOCARPUS RETUSUS

Leathery blue-gray tubercles with tufts of wool crowded at the base of each. 1½"-2" snowy white flowers. Grow in clean sand with ¼ leaf-mold. Give full sun, water only when dry. Mature flowering imports..... **\$2.50**



#### JOHNSON CACTI IN MISSOURI

The charming collection of C. B. Smith, Affton, Missouri, illustrates how attractive succulent plants can make a window.

#### PARODIA

Handsome group from the Andes of Argentina and Bolivia. These bright flowered plants are easily flowered. Rich porous soil, sunny location, moderate watering. All of the species are small in size, seldom over 3", usually 1½"-2". Flowers are highly attractive, often as large as the plant, blossoming freely.

- P. comparapana.** New Bolivian species. Orange-yellow flowers. Large ..... **\$1**
- P. mutabilis.** Yellow flowers ..... **75c**
- P. scoparioides.** An Argentine species. Flowers orange ..... **75c**

#### CACTUS SEEDS—PAGE 17



#### PELECYPHORA ASELLIFORMIS

Curious pectinate (comb-shaped) spine clusters with the bristly spines bent downward making them harmless. Brilliant pink blossoms are produced in midsummer. Plant in clean sand (no silt) with ¼ humus. Full sun. Water sparingly. Mature flowering imports..... **\$1.50**



#### LEMON VINE

Though a true cactus few would suspect it. Pereskia pereskia has large leaves and waxy, lemon scented, creamy blossoms. If leaves drop they will reappear. **60c**

Potted. Each.....



#### PEACH MONARCH

One of the finest of our new Paramount Hybrid series (Echinopsis x Lobivia). The blossoms are very large up to 8" and freely produced. Flowering from May to October. A beautiful glowing peach pink in color. Entrancing. Give generous treatment. Small..... **\$1.75**



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## CACTUS AND SUCCULENT ASSORTMENTS GET THE FINEST PLANTS AND SAVE!

#### BEGINNERS COLLECTION J17

**15** assorted Cacti and Succulents. A well selected group of choice plants, bright spined and flowering cacti, attractive interesting succulents all of good size. All plants labelled. The set only..... **\$5.98**

#### FANCIERS COLLECTION J18

**30** Fine Cacti and Succulents for the discriminating collector. Includes many rare items not in this catalog. A group any collector would be pleased to have. Notocactus, Orchid Cactus, Haworthias, Euphorbias, Crassulas, etc. Correctly labeled. The set only..... **\$11.45**

#### SUPERB FANCIERS COLLECTION J19

**100** Choice cacti and succulents including many collector's items some of our most rare. Our finest collection. All correctly labeled. The set only..... **\$32.50**

**COLLECTION J20**—100 All cacti; no succulents. Labelled..... **\$56.50**

**COLLECTION J21**—50 All cacti; no succulents. Labelled..... **\$27.50**

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## SPECIALS

#### ECHINOPSIS LOS ANGELES

A fine variety introduced by us many years ago and familiar now to many of our customers. The plants become stout and large, deep green in color, practically spineless. They flower incredibly freely the blossoms 8" long and of a lovely pink shade. Hardy to temperature of 15° above. Full sunlight, moderate to generous waterings. Each..... **75c**



#### OPUNTIA ACICULARIS

Handsome chestnut red glochids. Old pads grow more beautiful yearly, with added glochids. Be careful, handle only with vegetable tongs..... **\$1**



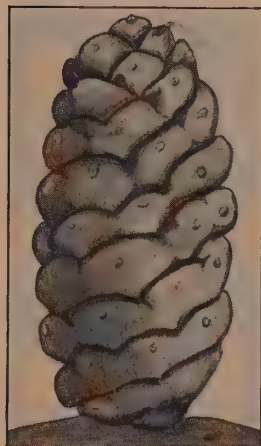




#### VIOLET SEA URCHIN

A lovely, small, flowering cactus reaching 4" - 5" across and flowering freely during spring and summer. Acanthocalycium violaceum has exquisite pale violet blossoms opening one to several at a time. Flowers when small. Use a medium sandy loam with 1/4 leafmold. A winter rest will insure plentiful flowering in late spring.

**50c**



#### SPRUCE CONES

The curious cone-like joints of Tephocactus strobiliformis look like some weird growth from Mars. Completely spineless. Full sun, porous loam

**45c**

#### RUBY EASTERLILY

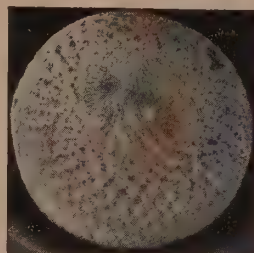
Echinopsis kermessina is one of our choicest plants. Glorious flowers of deep ruby red, with several flowering periods during the year. Enjoy rich loam, sun and generous waterings during summer. Feeding with Johnson's Cactus Food will insure flowering. Small 1" .....75c  
3 years 2 1/2" - 3" .....**\$2.25**



#### STRAWBERRY CACTUS

A favorite with bright yellow flowers flushed red at base, followed by brilliant red seed pods. Hamatocactus setispinus has a globe-shaped to cylindric body with slightly hooked spines. Of easy culture, responding to full sunlight and watering when dry. Seldom more than 4" - 5" high. Flowering size.....

**50c**



#### BUTTON CACTUS

Coat button size Epithelantha micromeris is a collector's item. Harmless bristly spines. See page 24 for specimen clusters. Single heads.....

**75c**

#### FEROCACTUS

##### LARGE BARREL CACTI

F. coloratus, 75c. F. rectispinus, 75c. F. covillei, 75c. F. latispinus, 75c. F. gracilis, 60c.

#### STENOCACTUS

##### PERMANENT WAVE CACTI

S. coptonogonus, \$1. S. densispinus, \$1. S. lloydii, 75c. S. sphacelatus, \$1.

#### MELOCACTUS

##### TURK'S CAP

M. macracanthus, \$1. M. townsendianus, \$1.

#### GYMNOCACTUS

##### (ALSO THELOCACTUS)

G. saueri, \$1.35. G. saussieri, \$1.35.

#### MATUCANA

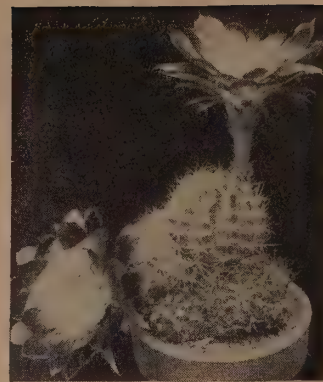
Conical ribbed cacti from the Andes of Peru. Bristly white spines and long tubed red flowers.

M. yanganucensis .....**\$1**

#### THELOCACTUS

Handsome flowering conical plants from Texas and Mexico.

T. goldii, a new species, 75c. T. roseanus, 75c. T. hexaedrophorus, \$1.25.



#### LOBIVIA LARABEI

A small clustering plant bearing bright scarlet flowers with white throat. It offsets freely and each may be detached to form a new plant. Clusters 2" - 3" across. Of easy culture. Sun or part shade.....

**50c**



#### GOLDEN BALL

Columnar, bright golden, harmless spines. Clear yellow blossoms. Color picture p. 24. See page 23 for specimen sizes. Nice small plants.....

**50c and 75c**

#### NEW AIR FREIGHT SERVICE

See pages 2 and 18 for details of new service that speeds packages to you by air for little more than parcel post!



#### BISHOP CAP

Also Bishop's Mitre. Astrophytum myriostigma is one of the most popular and highly prized of all cacti. Spineless, covered with soft white scales, prominent ribs. Producing golden yellow flowers in late summer. Very handsome specimens. Full sun, water when dry. Nice 1" plants..

**50c**



# PARAMOUNT HYBRIDS

## LOBIVOPSIS

Scintillating shades of orange, strawberry pink, golden yellow, shrimp and salmon. These beauties are irresistible! Each hybrid has been selected with an eye to distinctive color and form, free flowering qualities, vigor and ease of culture.

All have been grown in our nursery for several years as a thorough test of their capabilities.

With reasonable care they will flower several times during the year. Large plants producing up to 20-30 blossoms each time. Size of flowers averages 3"-4". Length of flower tube varies from 3"-8".

**CULTURE:** Paramount Hybrids have an unusually strong root system and with simple, ordinary handling they can be grown and flowered easily. They do best in a rather rich loam soil with moderate to generous watering during summer when growing. Give full sun. Hardy to 24°-26° F, lower with slight protection such as straw affords.

### STARS AND STRIPES

Pictured in full color on our front cover. Warm rose pink, very free flowering, easily grown. The newest addition to our Paramount Hybrid series. No enthusiast should be without this fine plant. Each.....

**\$3.85**



### ORANGE GLORY

Brilliant glowing orange. This handsome Paramount Hybrid is illustrated 1/2 natural size. A free flowering variety blossoming in late spring and summer. Vigorous, with a strong root system, easily grown. Prefers a rich porous loam, full sun, generous watering during summer. We are sure you will treasure this beauty. Each.....

**\$2.50**

### GENERAL LISTING

**Forty Niner.** Brilliant golden yellow blossoms with bright green stem, very short harmless spines. Handsome .....**\$1.50**

**Fluffy Ruffles.** Ruffled 6" flowers flushed glowing orange. Free flowering. Vigorous.....**\$1.25**

**Sunset.** Red with violet overlay, the petals with pale yellow central stripe. 6" blossoms.....**\$1**

**Kate Walker.** Handsome soft-red flowers. Neat, compact plant of exceptional vigor. Much recommended .....**\$1.25**

**Morning Glory.** Lovely 6" long pink blossoms with a very faint bluish cast. The color is distinctive. A fine plant. Only large, flowering plants are available this year at.....**\$2.25**

**Red Meteor.** Sold out for this year.

**Tangerine.** Sold out for this year.

**Red Pigmy.** A small variety with pretty red blossoms. Flowers very freely.....**\$1**

**Betelgeuse.** Flower color changeable with season, usually a distinctive tomato-red. The largest growing hybrid to date: up to 12" high, 6" diameter. Deep green stems. Supply limited..**\$3.50**

**Peach Monarch.** See page 27.

### RED PARAMOUNT

Color intensity varying from orange to bright red at different seasons. The color photo below was taken in our propagating beds during June. Our display areas are often a sheet of color at that time. It's free flowering qualities are well shown in the picture, each plant often having a dozen or more flowers open at once. A vigorous, easily grown, easily flowered plant. Culture as above. Each.....

**\$1**



I have spent over 20 years in producing my Paramount Hybrids series. The plants of this group have been chosen from thousands of hybrids. Only the best are kept, the others discarded. I personally recommend any of the Paramount Hybrids to our customers.

*Harry Johnson*

### ORANGE PARAMOUNT

Extremely free flowering variety with lovely orange yellow blossoms. A pretty, deep green plant almost spineless. Flowers well even when young. Give it a rich loam soil, full sun, watering generously during the summer. Flowering size plants.....

**\$1**

### DAINTY

#### BESS

At left

A small, compact plant producing an abundance of light crimson flowers. Its exquisite delicacy and neatness make it attractive to everyone. A good loam soil, sunny location, and generous watering will provide all the necessities for a succession of flowers. A highly satisfactory hybrid. Each.....

**\$1.50**







### FLAME CACTUS

Flowers reddish yellow with a red median stripe on each petal, stem very dark green with stout spines. *Pyrrhocactus horridus* is a choice, slow growing plant. Sunny location, porous soil, moderate watering. 3 year old plants..... **75c**

### REBUTIA

#### CROWN CACTI

Unfortunately there is never room enough to feature more than just a few of the Crown Cacti. Those listed here are just as handsome as those pictured. The blossoms are bright and the plants differ among themselves considerably. Forming clusters 3" - 4" across each head flowering when mature so that a large cluster may have 6 or more flowers open at once. Try them and you will be pleased. Give them a rich porous soil, plenty of humus such as leafmold (1/3 by volume), moderate to generous waterings and a sunny position.

<i>Rebutia dasyphrisa</i> . Handsome, red.....	75c
<i>R. digitiformis</i> (Lobivia). Clustering, red.....	75c
<i>R. duursmaiana</i> . Very rare. Orange-yellow.....	\$1
<i>R. elegans</i> . Dark red. Bristly spines.....	75c
<i>R. fiebrigii</i> . Bolivia. Vigorous. Deep Red.....	\$1
<i>R. kranziana</i> . Dark red. Distinct.....	\$1
<i>R. Lemon Queen</i> . Lemon yellow flowers. A form of <i>R. chrysacantha</i> .....	75c
<i>R. nigricans</i> . Clustering. Red.....	\$1
<i>R. pseudominuscula</i> . Deepest red.....	\$1
<i>R. pygmaea</i> (Lobivia). Finger like stems.....	75c
<i>R. ritleri</i> . Fat, clustering.....	75c
<i>R. rubelliflora</i> . Argentina. Orange red.....	\$1
<i>R. senilis lilacino-rosea</i> . Lilac pink.....	\$1
<i>R. spegazziniana</i> . Dark red.....	\$1
<i>R. spinosissima</i> . Brilliant white spines. Flame colored flowers. Very choice.....	\$1
<i>R. steinbachii</i> . Handsome rare species with brilliant violet red flowers.....	60c
<i>R. steinmannii</i> (Lobivia). Finger-clusters.....	\$1
<i>R. violaciflora</i> . Pink Crown. Rose-pink.....	75c

### NOTOCACTUS

#### BALL CACTI

Some of the most fascinating and lovely cacti are in this group. The beginner is at home with them for they will grow under varied conditions and flower quite freely. They make fine, long-lived specimen plants. None grow too large for the small collection. Most of them seldom reach more than 3" in diameter, and bear flowers 2" across. Give them a rich, porous soil and during the spring and summer sufficient water and cactus food to keep them plump and growing. They bloom in late spring.

<i>Notocactus apricus</i> . Sun Cups. Large yellow blossoms. Uruguay.....	50c
<i>N. arechavaletii</i> . A fine rare species.....	\$1
<i>N. braziliensis</i> . A fine new species. Small.....	\$1
<i>N. catamarcensis</i> . A rare species. Yellow flowers.....	\$1
<i>N. caespitosus</i> . Rare species. Small.....	90c
<i>N. floricensis velanovskii</i> . Flowering specimens.....	75c
<i>N. groesneri</i> . Yellow Ball. Handsome clear yellow spines. Small.....	75c
<i>N. haselbergii</i> . Scarlet Ball. See p. 24	
<i>N. leninghausii</i> . Golden Ball. See p. 24	
<i>N. linkii</i> . Yellow flowers. Globose stems.....	75c
<i>N. ottonis</i> . Indian Head. Reddish spines. Bright yellow flowers.....	75c
<i>N. ottonis tenuispinus</i> . Longer, more slender spines.....	75c
<i>N. pampeanus</i> . Stiff spines. Yellow blossoms.....	50c
<i>N. rutilans</i> . Pink Ball. Lovely rose-pink flowers with satiny sheen. Small.....	60c
<i>N. schumannianus</i> . Giant Ball. One of the largest species. Large 2" - 3", nice specimens.....	\$1.90 and 75c
<i>N. scopa</i> . Silver Ball. See page 24. Small.....	50c
<i>N. tabularis</i> . Flattened body, reddish spines.....	50c



### WANGANUI MINIATURE GARDEN SOCIETY

of New Zealand — display.  
We have many friends around the world.



### CHAPLET CACTUS

*Gymnocalycium delaeitii* is one of our most free flowering plants. Your plant will produce a crown of white and ivory blossoms several times during summer. Sunny location, light well drained soil, watering when dry. **60c**

### GYMNOCALYCIUM

#### CHIN CACTUS

The Chin Cacti are particularly good for the beginner as they flower freely and require no experienced care. Many bloom over the entire spring and summer. Flower color varies from white through creams and yellows to scarlet. Plants are usually flattened-globose, averaging 3" across at most, seldom branching. They like a rich but porous loam and moderate waterings, doing well in sun or part shade.

<i>Gymnocalycium andrae</i> . A pretty species with blackish blue body, sulfur yellow flowers.....	75c
<i>G. anisitsii</i> . Large waxy, white flowers.....	75c
<i>G. baldianum</i> . Rainbow Chin. Lovely colorful species from Uruguay.....	\$1
<i>G. bodenbenderianum</i> . Pale flesh color.....	75c
<i>G. bruchii</i> . Bruch's Chin. Small flowering.....	65c
<i>G. damsii</i> . Dam's Chin. See p. 31	
<i>G. deesianum</i> . Handsome white flowered large growing species.....	\$1
<i>G. delaeitii</i> . Chaplet Cactus. See p. 30	
<i>G. denudatum</i> . Spider Cactus. Fine almost spineless species. Ivory pink.....	\$1
<i>G. fleischerianum</i> . Pink Chin. (true form). Glossy pink petals.....	\$1
<i>G. friederickii</i> . Rose Plaid. See front cover. Fine. 1" - 1 1/2" flowering size plants.....	60c
<i>G. gibbosum</i> . A fine tubercled species. Flowers white. Flowering size.....	75c
<i>G. hyptiacanthum</i> . Yellow flowers. Uruguay.....	75c
<i>G. lecanum</i> . Yellow Chin. Yellow flowers, flat-globose body.....	\$1 and 75c
<i>G. leptanthum</i> . Pink Pearl Chin. Exquisite waxy, white flowers flushed pink.....	\$1
<i>G. mihanovichii</i> . Striped Chin. Small.....	50c
<i>G. monvillei</i> . Stout Spined Chin Cactus. Large white flowers. Handsome strong yellow spines. Large.....	\$1.25
<i>G. multii</i> . Fine large species. Flowers white.....	\$1.25
<i>G. multiflorum</i> . Handsome white to whitish pink. Large.....	\$1.25
<i>G. occultum</i> . Flesh pink. Small.....	75c
<i>G. ourselianum</i> . Oursel's Chin. 1 1/2".....	75c
<i>G. quehlianum</i> . Dwarf Chin. 1 1/2" - 2".....	75c



### SETIECHINOPSIS MIRABILIS

The "Flor de Oracion" of Argentina. An interesting small plant 3" tall and 3/4" thick. Almost black in color. The very tall, slender, white flowers open in the evening. Blossoms freely. Flowering size. Each..... **65c**

### LOBIVIA

For the beginner these are a "must have" group. The flowers are beautiful in lovely shades of pink, red and yellow. They bloom incredibly freely when their simple wants are met. Native to the high mountains of South America they stand considerable cold and should be wintered in a cool place such as a basement near a window, or frost free room. With this treatment they are sure to flower the following spring. Porous loam, moderate watering, full sun.

<i>Lobivia aurea</i> . See p. 25	
<i>L. backebergii</i> . Bright carmine.....	75c
<i>L. boliviensis</i> . Red. Clustering.....	75c
<i>L. chrysochaete</i> . Lovely yellow. Red throat.....	75c
<i>L. cinnabarina</i> . Large plant. Nice 1 1/2".....	\$1
<i>L. cylindrica</i> . Yellow flowers.....	50c
<i>L. deesianum</i> .....	75c
<i>L. famatimensis</i> . Orange Cob. See p. 31	
<i>L. famatimensis nigricans</i> . Almost black stem. Large.....	\$1.75
<i>L. haageana</i> . Handsome yellow.....	75c
<i>L. hermänniana</i> . Tall, cespitose. Red.....	75c
<i>L. hertrichiana</i> . Red flowered.....	75c
<i>L. higginsiana</i> . Yellowish-red.....	75c
<i>L. huascha</i> . Yellow flowered form.....	75c
<i>L. huascha rubra</i> . Red flowers. 6".....	\$1.75
<i>L. larabei</i> . Red.....	60c
<i>L. longiflora</i> . Red, slender-tubed flowers.....	75c
<i>L. marsonierii</i> .....	\$1
<i>L. nealeana</i> . Small. Clustering. Carmine.....	75c
<i>L. neohaageana</i> . Orange red. Nice clusters.....	\$1
<i>L. crurensis</i> . Red. Clusters.....	\$1
<i>L. pentlandii carminea</i> . Red.....	\$1 and 50c
<i>L. planiceps</i> . Peru. Dark red.....	\$1
<i>L. pseudocachensis</i> . Argentina. Dark red.....	\$1
<i>L. rebutioides</i> . Argentina. Fiery red.....	75c
<i>L. sanguiniflora</i> . Dark green stem, tuberous roots, hooked spines. Dark red.....	/ \$1
<i>L. shaferi</i> . Yellow. Clusters.....	75c
<i>L. walterupelii</i> . Large red, narrow petals.....	\$1



### ARIOCARPUS KOTSCHOUBEYANUS

A rare, most curious cactus from Mexico. Spineless, the tubercles arranged in a tight rosette, and flattened on top. One to several attractive pink blossoms are produced from a cottony center. Plant in clean, sharp sand with 1/4 humus and give full sun. Mature plants..... **\$1.65**





#### HUMMEL'S POWDER PUFF

Differs from the popular Powder Puff as it offsets all the way up the plant thus forming a conical, tall, tight cluster. Distinct and beautiful, pure white. Quick grower soon making a nice specimen. A form of *Mamillaria bocasana*. Nice plants.....

**60c**



#### BRUCH'S CHIN

A tiny miniature flowering when less than 1" across! *Gymnocalycium bruchii* has dainty pink blossoms the size of a quarter and forms many-headed clusters 3" across. The white spines are reflexed, making them quite harmless. Full sun, light loam. Choice.....

**65c**



#### GRIZZLY BEAR

*Opuntia erinacea* forma *ursina* is considered one of the choicest Prickly Pears. A white, yellowish-white, or brownish spined plant with yellow flowers. The spines are hair-like, flexible and sometimes reach 5" long. Nice.....

**75c**



#### GIANT EASTERLILY

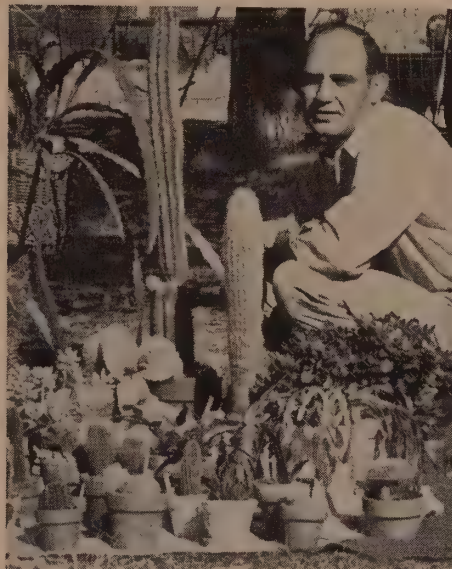
*Echinopsis ritteri* is one of the largest of the Easterlily Cacti, reaching 6"-8" diameter and 8" tall. Huge, snowy-white blossoms 8" long are produced several times during late spring. A rich, porous soil, sunny location. We have only a few choice specimens available this year. 2 1/2"-3" diameter.....

**\$2.50**

#### DAM'S CHIN

Everyone can flower *Gymnocalycium damsii*. Flowers when quite small. Blossoms pink-white 1 1/2" across and borne in succession during spring and summer. Easily grown, sun or part shade, porous loam, moderate watering.....

**50c**



#### JOHNSON CACTI IN WYOMING

Larry W. Mitich of Newcastle, Wyoming, writes that even at a mile-high altitude cacti are well suited to indoor culture. The Orchid Cactus at left is Brown Bear which often produces over 50 blossoms annually for him. Notice the fine Xmas Cactus at right, Golden Ball in center.



#### FRAGRANT NIGHT FLOWERING CEREUS

An old favorite with very beautiful creamy white blossoms of large size *Nyctocereus serpentinus* is deliciously fragrant. Stems columnar, fluted. Give generous treatment. Rich soil, full sun. Each.....

**60c**



#### ANGEL WINGS

A dainty little plant the areoles filled with snowy-white cotton. Completely spineless the glochids do not stick! *Opuntia microdasys albata* branches freely and remains quite dwarf. 2"-3" tall.....

**42c**

#### ORANGE COB

The vivid blossoms of *Lobivia famatimensis* are a startlingly beautiful sight. Petals like crepe de chine in all shades of yellow, orange and red. Flowers during late spring. Full sun, moderate waterings. Only large flowering plants available this year. Approx. 1 1/2"-2" diam. Each.....

**\$1.25**





# CEREUS and Its Allies . . .

## TINY DWARFS — NIGHT FLOWERING CLIMBERS — 60' GIANTS

To this large group belong most of the tree-like cacti except the Opuntias. Most of them are native to the warmer regions, from our extreme southern states through Mexico and Central America and the adjacent islands south to Argentina and Chile. They may be finger sized plants to great trees up to 64' tall weighing many tons; or they may be slender climbers opening their huge white chalice to the tropic moon. The tree-like forms as the Sahuaro give a distinctive atmosphere to southwestern deserts. The flowers are often large, mostly night flowering to attract the moths which pollinate them. After the flowers come the large fleshy fruits often brilliant red, cerise, or yellow, sometimes delightfully fragrant, and often pleasant to eat.

**CULTURE.** Most of this group do very well under almost all average conditions. In window gardens one must use windows that are available, but if a choice may be made, those facing south are given first choice. East windows or west windows are almost equally useful and very good results may be obtained. North windows may be used but since no direct sunlight enters more care must be taken in watering. After the first season north exposures produce few flowers. Their root systems are vigorous and if the plants are not too persistently overwatered they give a good account of themselves. They like the same type of soil as other cacti; a reasonably rich but quite porous compost or soil through which water drains quickly. Coarse, porous soils allow air to penetrate freely to the roots preventing rot. A good basic compost is 1 part crumbly loam, 1 part fine-30-40 mesh-sand, 1 part leafmold, peatmoss or sphagnum moss. This may be varied to suit your own requirements. Granulated charcoal is very useful as is perlite sometimes sold under the name of Spongerock. They can take the place of part of the sand with great benefit.



**OPUNTIA "MAVERICK"**

A maverick indeed! A pretty miniature seldom over 4" - 5" tall, dark rich green with scores of small branchlets clothing the stem — for all the world like a small Xmas tree. *Opuntia tuna monstrosa* is easily grown. Full sun or light shade, sandy loam.

Potted..... **79c**

*Opuntia vestita*. Old Man Opuntia. White hair....**60c**

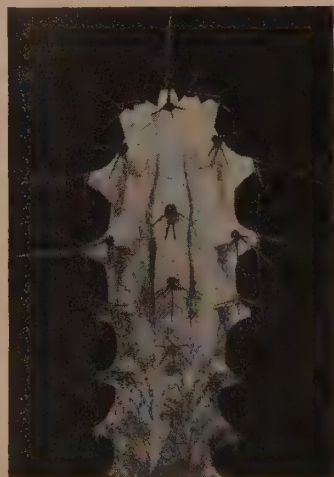
### BEAVER TAIL

Lovely rose-pink flowers of incredible purity. A native of our southwestern deserts, *Opuntia basilaris* is easily grown, but requires full sun and a cool winter rest to flower well. Hardy to approx. 10°. Light porous loam suits it best. Nice. **50c**



**PAPER SPINE OPUNTIA**

An odd cactus with papery white ribands for spines! *Tephrocactus glomeratus* is from Argentina and belongs to the Opuntias. The more sun it receives, the whiter and longer the ribands become. Full sun, porous loam, watering when dry. The joints separate easily and soon root.... **42c**



**LEMAIREOCEREUS BENECKII**

Slender fluted columns heavily powdered with white wax. Young spines are reddish, but soon mature to jet-black offering a handsome contrast. Always a collector's item as seed is difficult to obtain. Forms beautiful clumps. Full sun for best coloring..... **\$1**



**SCARLET BUGLER**

Slender, many ribbed stems up to 3 ft., sporting tubular bright red firecracker blossoms during summer. *Cleistocactus baumannii* flowers quite freely and is easily grown preferring sandy loam, full sun and moderate watering. Our plants are cuttings from mature flowering plant, sure to flower. Each..... **60c**

### Additional species of *Cleistocactus*.

*Cleistocactus dependens*. A new species.....**\$1**

*C. hyalacanthus*. See page 23 for specimen plants. Glossy white spines. Beautiful!.....**\$1**

*C. morawetzianus*. Peru.....**\$1**



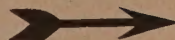
**PEANUT CACTUS**

Fingerlike stems to 4', branching freely. *Chamaecereus sylvestrii* has small scarlet blossoms. Give full sun, poor soil and a cool winter rest for best flowering. The short bristly spines are harmless. A favorite for many years that should be in every collection..... **40c**  
*Chamaecereus sylvestrii grandiflora*. 2½" - 3" deep red blossoms. Easily flowered.....**75c**





**SEE OUR NEW HYBRID PEANUT CACTUS**  
**FREE FLOWERING dozens**  
**of flowers in a season!**



**ARTHROCEREUS**

Small cereus with long-tubed white or pink, nocturnal flowers. *A. microsphaericus*. Many jointed, \$1; *A. rondonianus*. Slender, flowers pink, \$1.50.

**ACANTHOCEREUS**

Night blooming, trailing cacti. *A. sp. Antioquia*, \$1; *A. columbianus*, \$1; *A. horridus* (*A. guatemalensis*), \$1; *A. pentagonus*, \$1.

**ARMATOCEREUS**

South American equivalent of *Lemaireocereus*. *A. chalaensis*, \$1; *A. matucanensis*, \$1; *A. mocu-pensis*, \$1; *A. nazcaensis*, \$1; *A. cartwrightia-nus*, \$1.

**CEPHALOCEREUS**  
**OLD MAN CACTI**

(Also *Pilocereus*) *C. arrabidae* Brazil \$1, *C. alensis*. Mexico. Attractive seedling 75c, *C.*

*palmeri*. See Woolly Torch p. 34, *C. chrysacanthus*. See Golden Old Man p. 34.

**CEREUS**

A large group of tree cerei some reaching 50' others are sprawling. Night flowering often with large edible fruits. They grow rapidly and make wonderful branched specimens. Stand 10° or more of frost. *C. gonianthus*, 40c; *C. horridus*, 60c; *C. huntingtonianus*. Reddish flowers, 75c; *C. hybridus monstrosus*, 75c; *C. lepidotus*, 75c; *C. llanosii*, \$1; *C. milessimus*, 50c.

**CORRYOCACTUS**

Mountain species from Peru and Bolivia. *C. melanotrichus* \$1

**CLEISTOCACTUS**

A large group of small, columnar or clustered cacti with tubular red blossoms from the Andes of S. America. *C. dependens*. New. \$1; *C. hyala-canthus*, \$1; *C. morawetzianus*, \$1; *C. strausii*. Silver Torch, 60c.



**FIRE CHIEF**

2 1/2" flame colored blossoms borne in abundance. Older plants will bear dozens of flowers in a season. A *Chamaelopsis* hybrid (*Chamaecereus* x *Lobivia* x *Echinopsis*) introduced by us. Full sun, or part shade, good loam, moderate watering. A vigorous grower, easily grown, easily 90c  
 flowered. Choice.....



**JOSEPH'S COAT**

A handsome ever popular variety, variegated cream, yellow, green and pink. The young branch-buds are bright red. People often mistake them for flowers! *Opuntia vulgaris variegata* is easily grown. For brightest color give full sun, 60c  
 poor soil. Each.....



**DAYAM'S TREE CEREUS**

One of the best fruiting and flowering kinds. Bears big tomato-like half pound fruits which are quite fragrant and delicious, the pulp crystalline white and sweet. Tree-like in habit making a good pot plant. *Cereus* 48c  
*dayamii*. Seedlings.....



**BLUSH**

Another of our *Chamaelopsis* series. Attractive plants with thick, finger-like stems. Lovely bluish-pink blossoms are borne freely 1  
 during summer.....

**QUEEN OF NIGHT**

Huge 12" blossoms; the outer petals golden yellow the inner snowy white. *Selenicereus macdonaldiae* is free blooming growing quickly and easily, liking partial shade, a rich, porous loam (plenty of humus, ergo, Jungle Mix.) and generous waterings during summer. They are more likely to bloom if put outdoors during summer to mature growth. Propagated from flowering plants. 12"-14", \$1. Small.....67c



**MOON CACTUS**

*Eriocereus* are very free flowering cacti, growing easily and quickly. Large white blossoms opening early evening and closing late next day. Brilliant scarlet fruit. Plenty of water during 75c  
 summer.....



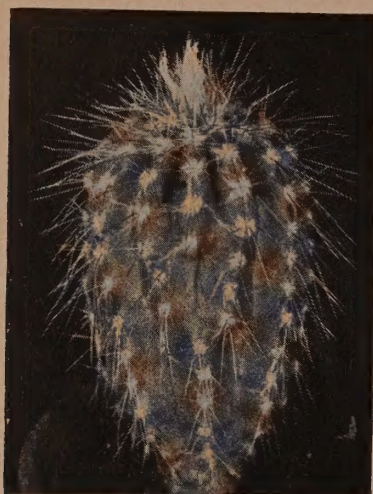




#### RIBBON CACTUS

*Tephrocactus turpinii* produces 2'' - 3'' papery ribands, varying white to light reddish brown, on each joint. The joints are 3'' - 4'' long, usually glaucous blue-green. Give full sun, light porous loam, watering only when dry. Place outside during summer if possible. Handsome large joint specimens.....

**\$1**



#### GOLDEN OLD MAN

A pretty, bright yellow spined plant bearing some wool at the areoles even when young. Mature plants of *Cephalocereus chrysacanthus* are a lovely blue gemmed with bright spines. Nice, small seedlings.....

**60c**

#### MOON CERES

A 3 - 4 year old plant of *Eriocereus martinii* will produce dozens of snowy white 4'' blossoms at a time. Opening early evening, closing late next day. The blossoms are often followed by scarlet fruits. A vigorous grower needing a rich loam. Rooted cuttings from flowering plants.....

**75c**



#### YELLOW RAINBOW CACTUS

The plants of *Echinocereus dasyacanthus* that we offer are fully mature flowering plants. The blossoms are pale yellow, 3'' - 4'' across. The close-set spines vary cream colored to light red. Full sun, sandy loam.....

**75c**



#### PURPLE HEDGE HOG CERES

Dazzling wine purple blossoms 3'' across that last for a week. Clustering stems to 6'' tall furnished with stiff white spines. A beautiful species of easy culture. Give it a rich loam soil and plenty of water in summer. Keep *Echinocereus sarisophorus* on dry side during winter.....

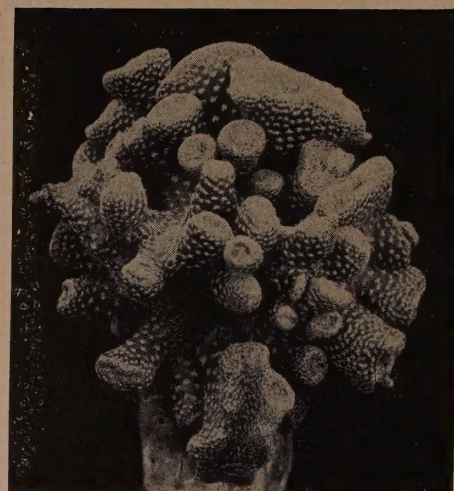
**64c**



#### WOOLLY TORCH

A handsome Old Man that produces masses of silky white hair at maturity, as shown in photo. The stem of *Cephalocereus palmeri* becomes a beautiful powdered blue. A Mexican species generally branching from the base. Easy to grow. Small seedlings.....

**60c**



#### OPUNTIA CLAVARIOIDES

A bizarre novelty from South America. Stems are deep olive green, almost black, and sparsely covered with bristly, harmless spines. On its own roots it slowly forms a tap root. The branches often crest. Give maximum sun for most natural growth and coloring. Porous loam, watering when dry.....

**95c**

#### CHAMAE CERES

##### PEANUT CACTUS

There are several varieties of the Peanut Cactus now available. All are easy to grow. *C. Jumbo*. A large growing form **60c**, *C. giganteus*. Bears large watermelon red blossoms **\$1**, *C. sylvestrii* var. *grandiflora*. A new hybrid with flowers to 3''.....

**75c**

#### WILCOXIA

Small Mexican cerei with very pretty blossoms. Small plants flower freely. *W. papillosa* (W. *senilis*) Lambs Tail. Stem clothed with silky white hairs. Flowers purple.....

**\$1**

#### LEMAIREOCERES

Generally tall tree cerei branching from base. *L. chichipe* (Stenocereus) **75c**, *L. pruinosus*. Powder Blue cereus.....

**60c**

#### TRICHOCERES

A large flowered group of S. American cacti of easy culture and fast growth. Columnar, some branching, and others forming trees. Flowers nocturnal. They like a rich porous soil, sunny location. *T. akersii*. Handsome white haired plants with apricot pink flowers. **\$1**, *T. bridgesii*. Blue stems 6'' cuts **\$1**, *T. candicans* **75c**, *T. cuzcoensis*. Cuttings **\$1.25**, *Chuquibamba* **\$1**, *gladiatus* **75c**, *huanucoensis*. Giant, almost spineless variety. **\$1**, *knuthianus* 6'' cuts. **\$2**, *lamprochlorus*. Large flowered. **\$1**, *litoralis* cuts **\$1**, *macrogonus*. Hugh flowers. 6'' cuts. **\$2**, *pachanoi*. Spineless. 6'' cuts **\$2**, *poco*. Handsome red flowers. **\$1**, *purpureopilosus*. Creeping var. **\$1**, *shafteri* **\$1**, *schickendantzii* **\$1**, *terscheckii* x *T. chilensis* hyb. Beauties. **\$1**, *thelogonus*. Creeping. **\$1**.

#### STETSONIA CORYNE

A much prized collector's item from Argentina. Seedlings soon develop into beautiful, blue-stemmed plants with very long black spines. Small seedlings.....

**\$1**

#### JAENOCERES

A new genus from Peru. *J. nigripilus*.....

**\$1.50**

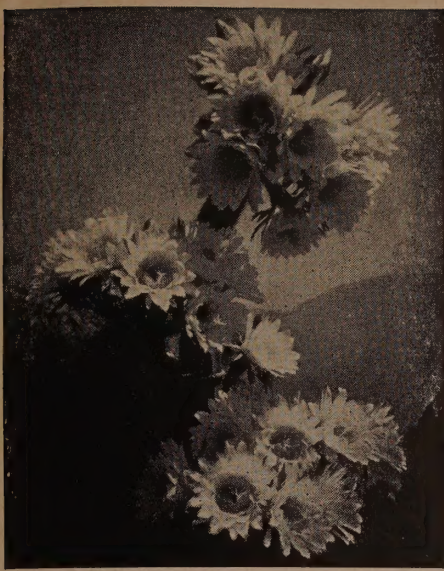
#### MONVILLEA

Pretty S. American cerei with large, white, nocturnal flowers. *M. mocupensis*. New. Peru. **\$1**, *pucuraensis*. New **\$1**, *speggazinii*. Marbled blue, **\$1**, *maritima* **\$1**, *M. saxicola* **\$1**, *vargasiana* **\$1**, *cavendishii*. Brazilian Rock. **75c**.

#### VARIOUS CERES

*Morawetzia doelziana*. Small white hairy cereus with brilliant pink blossoms. 5'' - 6'' rooted cuts **\$1.50**; *Bolivocereus samaipatanus*. Slender clustering cereus **\$1**; *Erdisia limitambensis*. Slender cereus, brilliant blossoms. **\$1.25**; *Weberocereus bialleyi*. Small climber. **75c**; *W. trichotus*. Handsome. **75c**; *Werkleocereus glaber*. White flowers. **75c**; *W. fonduzii*. Large white flowers. **\$1**; *Oreocereus froelii*. Old Man of the Mountains. Beautiful snowy wool. Choice. **90c**; *Loxanthocereus eriotrichus* **\$1**; *L. faustianus* **\$1**; *Thrixanthocereus blossfeldiorum*. Handsome tall cereus with white beard-like pseudocephalium. Nice 5'' - 6'' rooted cuts **\$2.50**.





### WHITE TORCH

*Trichocereus spachianus* has handsome 6" snowy white blossoms. Branching from the base, to 5' tall. Excellent as grafting stock, hardy to 15°. Give ample root room and plenty of water and fertilizer during summer. Small.....50c

### NIGHT BLOOMING CEREI

Many of the semi-climbing cacti open their huge flowers at night. Often they are grown in too much shade to mature growth which is necessary to flowering. Give moderate to full sun and fertilize regularly.

*Selenicereus*. See under Princess of Night.

*Hylocereus*. Wood cereus. Triangular stems, huge 12"-14" blossoms. *H. bronxensis* \$1.25, *H. calcaratus* \$1, *costaricensis* \$1, *extensis* 75c, *guatemalensis* \$1, *ocamponis* \$1, *peruvianus* \$1, *stenopteris*, dark red \$1.50, *undatus* \$1, *polyrhizus* \$1.

*Mediocactus coccineus* \$1.25, *M. megalanthus* \$1.

*Eriocereus*. Tall climbing cerei. Easily grown, freely flowering. Require more sun than *Hylocereus*.

*Eriocereus bonplandii*. A glorious species with 6" white flowers. Mature plants produce hundreds of flowers. 6" rooted cutting from flowering specimens \$1, *E. martinii* 75c, *guelichii* 75c. *Wilmateia minutiflora*. Rare. \$1.50.

### RARE GENERA

*Samaipaticereus peruvianus* \$1.50.

*Borziactella viperina* \$1.35, *B. prostrata* \$1.50.

*Peniocereus*. Handsome night flowering cereus, with fragrant white flowers. Tuberous roots. *P. diguetii* \$2.50, *P. greggii* \$1.

*Seficereus*. Lovely plants with bright yellow or red-dish spines. Flowering heads produce long bristles. Flowers deep orange. *Seficereus icosagonus*. Peru. \$1.75.

### GIANT MEXICAN CEREUS

One of the largest cacti. *Pachycereus pringlei* makes handsome columnar plants. Mature plants reach 60'. Give full sun, water when dry. 4"-5" \$1, 60c



### OLD MAN OF THE ANDES

*Oreocereus celsianus* starts life with long silky white hair that soon clothes the whole stem. Spines turn brick red. Give full sun for best coloring. Porous loam, water when dry. See p. 23 for specimens. Beautiful small plants.....\$1

### CACTUS & SUCCULENT JOURNAL

Subscribe to this fine magazine. Keep up to date on what is going on in the cactus world. With it comes membership in the Cactus & Succulent Society of America. Cultural data, splendid photographs, 6 double issues a year. Popular as well as scientific articles about our hobby. Year's subscription, \$4.



### FLAME PEANUT

An outstanding *Chamaecereus* hybrid, free flowering with flame-red blossoms. Like Peanut Cactus in habit, but of heavier growth. Forms nice clumps. Does best in full sun.....60c

### PERUVIAN APPLE

*Cereus peruvianus* hybrids grow rather more quickly than most cacti liking a rich soil and plenty of water during summer. The large fruits vary from red to yellow and are sweet. Cuttings from flowering plants 10"-14", \$3; nice seedlings.....50c



### OLD MAN CACTUS

One of the best known of all cacti, *Cephalocereus senilis* should be in every collection. Long snowy hair. A native of Mexico preferring a sandy well drained soil and a light or sunny position. Indoors, water sparingly, outdoors, water moderately. 3"-4", \$1; small 50, Larger.....75c



### PRINCESS OF THE NIGHT

A glorious blossom and one of the largest in the cactus family. *Selenicereus pteranthus* is the most satisfactory and freest in bloom of this group. Even small plants will flower on matured stems. Cuttings from flowering plants \$1. 64c

*Selenicereus conflorus* 75c, *donkelaarii*. Large white and gold flowers. Dwarf grower 75c, *grandiflorus-armillatus* \$1, *hamatus* \$1, *hondurensis* \$1, *murrillii* \$1, *spinulosus* \$1, *urbanianus* \$1, *vagans* \$1, *wercklei* 75c.

### CURIOSITY PLANT

A handsome crested or monstrose form of *Cereus peruvianus* hyb. Chestnut brown to black spines, dark green stem. Plants always retain their curious growth, and slowly form splendid show specimens. Give a rich soil, moderate watering, sunny position. 4" specimens, \$1; small.....60c

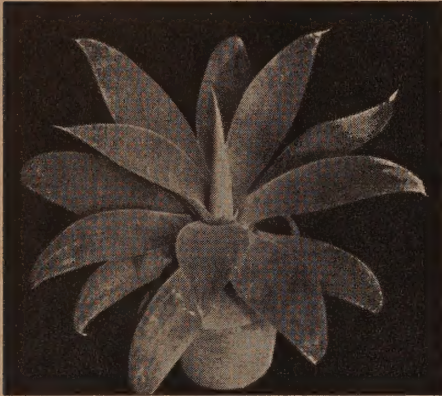






#### SAND DOLLAR

A completely spineless cactus. *Astrophytum asterias* (member of Echinocactus or Barrel Cactus Group) produces large yellow flowers flushed cherry-red at base. Plant in clean sand with 1/4 humus added. Water only when dry. The plants we offer are fully mature flowering specimens. Large \$2. Flowering size..... **\$1.35**



#### AGAVE ATTENUATA

Silvery green chalice completely barless. Handsome for patio and landscaping. Tender. Fine pot subject. Sun or part shade. Easy culture. Small..... **\$1**



#### OBREGONIA DENEGRII

A monotypic genus of Mexican cacti close to *Ariocarpus*. It looks quite different but technically is hard to differentiate. The flowers are very pretty with their yellow stamens and white petals. The tubercles are triangular, hard, pale green and tipped with a few curling, flexible spines. Does well in sand and leafmold. Likes a sunny or well lighted position. Mature imports each..... **\$2.25**

**SNAKES HEAD EUPHORBIA.** The popular *Euphorbia caput medusae*. Nice potted plants..... **\$1**



#### SILVER AND GOLD DYCKIA

Slowly forms handsome, silver-grey cushions of many heads, each head producing a tall spike of brilliant orange flowers during early summer. Water generously during summer, give rich loam soil, full sun or part shade. *Dyckia fosteriana* is easily grown. Small plant in pots..... **55c**



#### SENECIO SCAPOSUS

Stemless clusters of slender, cylindrical leaves covered with white, cobweb-like felt. Heads of bright yellow flowers are produced during mid-summer. A handsome, choice succulent seldom offered. Keep dry during winter, give full sun. Potted..... **\$1**



#### MOONSTONES

The plump white leaves as though chiseled from alabaster gently suffused with lavender. A form of *Pachyphytum oviferum*, but of stronger growth. Grows easily every fallen leaf will make a plant. Does well in sun or shade and thrives on neglect. Small, potted plants..... **\$69**



#### RAINBOW BUSH

*Portulacaria afra tricolor* has attractive cream, pink and green leaves, red stems. Give full sun for best coloring. Low, spreading habit. Easily grown. Potted..... **45c**



#### RESURRECTION PLANT

When you receive it, it will be a close ball of dried up brown leaves, but place it in a shallow dish of water and watch it unroll before your eyes into a lovely delicate green fern. As long as it is kept moist it remains unrolled, but let it dry and back it goes into a brown ball again. Each 25c. 3 for..... **50c**



#### TWO-LOBED CONOPHYTUM

Rare choice mesembs from S. Africa. Flowers yellow, slow growing. Culture S.R..... **\$1**

**JOHNSON CACTUS GARDENS**  
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